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HQ-IFS Maintenance Resource Prediction Model (MRPM) User's Manual

by
Boon Goh
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Maintenance Resource Prediction Models (MRPMs) are a set of models that run on various computer systems to assist Army managers in planning and programming maintenance resources, based on the anticipated resource requirements of actual installation facilities, for prediction periods of 1 to 10 years. There are three types of MRPM systems: (1) Headquarters - Integrated Facilities (HQ-IFS), (2) Major Command (MACOM), and (3) Installation Research systems.

This user's manual covers the HQ-IFS MRPM system, and describes system operations at the Army, MACOM, and Reporting Installation levels. Separate sections explain the application of the HQ-IFS MRPM to each level, through step-by-step description and screen illustration of each program function. The HQ-IFS mainframe host computer can be accessed by a DOS-based, personal computer system through the use of terminal emulation software.

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This research was conducted for Headquarters, U.S. Army Corps of Engineers (HQUSACE) and the Office of the Assistant Chief of Engineers (OACE) under various Research, Development, Testing, and Evaluation (RDTE) and reimbursable funding documents. Work began under RDTE in 1980 and continued in reimbursable projects from 1984 to 1989. The technical monitor for the RDTE part was Dr. Larry Schindler, CEMP-ECE, and at the termination of the project, Mr. Edward Davis, CEHSC-FM-R. The technical monitor for the reimbursable part was Ms. Val Corbridge, DAEN-ZCP-B.

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1. INTRODUCTION.

1.1 Basic Operation Description.

1.1.1 Introduction.

The Maintenance Resource Prediction Model (MRPM) system is a tool for assisting in planning and programming resources based upon the anticipated requirements of the actual facilities at an installation. The MRPM system is a multiyear cost-estimating system for estimating maintenance resources. Prediction period ranges from 1 to 10 years. The Army categorizes all facilities by current facility functional use and assigns each functional use a unique five-character identifier known as the F4C ID. MRPM has been designed to work in three independent levels simultaneously:

1. Army Summary
2. Major Command (MACOM) Summary
3. Reporting Installation.

1.1.2 Army Summary.

All information for the Army Summary is stored under the Reporting Installation ID *****. Summary models covering the entire Army Real Property Inventory (all the installations within the Army) can be generated. Individual facilities are summarized under a facility group. Each facility group can be generated in two ways:

1. By appropriation ID, F4C, and Year of Construction
2. By F4C, and Year of Construction.

Method (1) uses the first character of the facility ID to represent different appropriations and facility types such as permanent and temporary. For example in the facility ID: A71111C82, the "A" indicates an Operations and Maintenance, Army (OMA) appropriation permanent facilities. (A list of all Appropriation facility type description is given in the Appendix). The F4C code 7111100 is represented by "71111," and "C82" is year 1982. (A82 would be 1782; B82 would be 1882).

Method (2) uses only F4C and Year, with no appropriation code attached; e.g., 711111982. The F4C code 7111100 is represented by "71111," and "1982" is the year of construction.

1.1.3 MACOM Summary.

All information for a MACOM Summary is stored under the Reporting Installation Id ***?? where "??" represents the IFS MACOM Id. For example ***TD is the Training and Doctrine Major Command. Summary models covering the entire MACOM Real Property Inventory (all the installations within the MACOM) can be generated. Individual facilities are summarized under a facility group. Each facility group can be generated in two ways:

1. By appropriation ID, F4C, and Year of Construction
2. By F4C, and Year of Construction.

Method (1) uses the first character of the facility ID to represent different appropriations and facility types such as permanent and temporary; For example, in the facility ID: A71111C82, "A" indicates an OMA appropriation permanent. The F4C code 7111100 is shown as "71111," and "C82" is year 1982.

Method (2) uses only F4C and Year, with no appropriation code attached; e.g., 711111982. "71111" is the F4C code 7111100 and "1982" is the year of construction.

All information is stored under the Reporting Installation ID ***?? where "??" represents the IFS MACOM ID; e.g., ***TD is TRADOC.

1.1.4. Reporting Installations.

One of three modelling methods can be applied with of without appropriations and facility types:

1. Reporting Installation Summary
2. Individual Installation Summary
3. Individual Installation by Individual Facility.

Examples are based on summary by appropriation ID, facility type, F4C code, and year of construction.

1.1.4.1. Reporting Installation Summary.

One facility group is formed for each appropriation ID/facility type, F4C, and construction year combination. For example, in A7111C82, "A" indicates the permanent OMA facilities and "C82" indicates 1982. All information is stored under the reporting installation ID.

1.1.4.2. Individual Installation Summary.

One facility group is formed for each appropriation ID/facility type, F4C, and construction year combination. All information is stored under the installation ID.

1.1.4.3. Individual Installation Summary by Individual Facility.

Facilities are stored by IFS Facility Number. All information is stored by individual installation ID.

1.2 System Organization.

There are three types of MRPM systems:

1. Headquarters - Integrated Facilities System (HQ-IFS)
2. MACOM system
3. Installation Research System.

1.2.1 Headquarters - Integrated Facilities System (HQ-IFS).

This system covers the summary data and is designed for use by the Department of the Army (DA) to perform DA, MACOM, and Reporting Installation level predictions until the MACOMs implement the MACOM MRPM System. This system is a module of Headquarters IFS.

1.2.2 MACOM System.

This system covers both summary data and individual facility component models and is designed for use by installations, Major Commands (MACOM), and Department of the Army (DA). Data can be transferred from one organization to the next higher organization in the chain of command.

1.2.3 Installation Research System.

This system allows the definition of individual facility components, such as a shingle roof, to be modelled for an individual facility. Labor, equipment, and material resources are calculated for each task, i.e., replacing shingle roof. This system operates on a personal computer.

1.3 User Manual Organization.

This user's manual covers the HQ-IFS MRPM system only and is designed to be used with the MRPM screens. The information in this manual complements the information on the screen. The manual describes the system operations at the Reporting Installation, MACOM, and Army levels.

Chapter 2 contains a description of each function as it appears on the screen within the system. Each screen illustrates a figure and each function of each selection is defined.

Chapter 3 contains procedures for learning and using the MRPM system. Chapter 3 is divided into three sections:

1. Individual Reporting Installation Level
2. MACOM Summary Level
3. Army Summary Level

Chapter 3 should be read after completing Chapter 1. References to Chapter 2 are given for each function.

1.4 How To Learn the System.

Finish reading Chapter 1 first; then start the learning process by turning to Chapter 3, "Procedures for Learning and Using the MRPM System." Work through Chapter 3 reading the appropriate paragraph in Chapter 2 first and then performing the exercise in Chapter 3.

1.5 Standard Screen Display and Keys.

1.5.1 Standard Screen Display.

```
                    REPORT INSTALLATION
              MAINTENANCE PREDICTION MODEL

                         MAIN MENU

                  BASIC INFORMATION
                  FACILITY INFORMATION
                  REVIEW AND APPROVE
                  MRPM BATCH PROCESSING MODE
                  REVIEW CURRENT DATABASE

PRESS PF10 TO EXIT SYSTEM
```

Figure 1.5.1-1 Standard menu screen display.

To select an item from the menus, move the cursor to the left of that item and press <ENTER>. Use <TAB> and <SHIFT><TAB> to move the pointer forward or back to your selection.

```
                    REPORT INSTALLATION
                    FACILITY INFORMATION
                GENERAL FACILITY INFORMATION
REPORT INSTALLATION ID :  51315    ID NAME:  LEE FORT
MACOM ID :  TD
        INSTALLATION    :   01234
        AREA:               02      NO DESCRIPTION
        FACILITY ID:        123101941 (        5 BLD FACILITES         )
        F4C CODE:           1231000        GAS STA BLDG
        NUMBER IN F/G            2
        TRAVEL ZONE:         1
        SQUARE FEET:                 837
        CONSTRUCTION YEAR:   1941
        W/P METHOD INDEX:    5       NO DESCRIPTION
        SPECIAL CONDITION MULTIPLIER ID:  01  DEFAULT SP COND MODIF
        SCHEDULED DISPOSAL DATE:
        LAST CHANGE DATE:
        LAST CALCULATION DATE:      11/09/88
        FACILITY FUNDING PROFILE:  01
        CALCULATION MODELING ID (1-4): 2  UNIT COST BY AGE
        ACCOUNTING ID :
    PF1=TOP  PF2=BOT  PF3=FIND   PF4=NEXT   PF5=EDIT  PF6=PREV  PF7=ADD
PF8=DEL  PF9=SAVE PF10=EXIT  PF11=LIST  PF12=DISK PF14=PRINT
```

Figure 1.5.1-2 Standard screen display.

Each screen is divided into five sections: (1) the very top section displays the user priority level (DA, MACOM, Reporting Installation); on some screens, the Reporting Installation, MACOM, and DA organization IDs will be shown on the top left corner, such as TD:51315. TD indicates the MACOM (TRADOC) and 51315 indicates Fort Lee, VA; (2) the second section displays titles or headings that indicate your current location in the MRPM system; (3) the middle portion of the screen displays the information that can be changed at the terminal; (4) the last few lines on the screen displays the function keys that are currently active for your use; and (5) the very last line displays error messages, warnings, and directions from MRPM.

1.5.2 Standard Keys.

Function keys are called by different names depending on the computer system and the terminal. IBM mainframe terminology uses the identification PF. Most personal computers will refer to the function keys by using only F. When using the personal computers PF keys PF11 through PF15 are obtained by pressing the <SHIFT> key and the correct <F1> through <F5> key at the same time:

1. PF11 = <SHIFT><F1>
2. PF12 = <SHIFT><F2>
3. PF13 = <SHIFT><F3>
4. PF14 = <SHIFT><F4>
5. PF15 = <SHIFT><F5>.

The mainframe computer uses only the upper case alphabet characters. For ease of application on a PC press the <capital lock> key. This will automatically display only capital letters to the screen.

Key Name	Action
1. <TAB>	To move to the next field.
2. <SHIFT><TAB>	To move to the previous field.
3. Arrow Keys	To move to the next character a field being edited.
4. PF1 (TOP)	To display the first record or screen of records.
5. PF2 (BOT)	To display the last record or screen of records.
6. PF3 (FIND)	To locate a known item within a table. The system will highlight the area where you are to type the item to be located. After typing the item to be located, press the ENTER key to perform the location.
7. PF4 (NEXT)	To move to the next record or screen.
8. PF5 (EDIT)	To edit the information within the record(s) displayed on the screen.
9. PF6 (PREV)	To move to the previous record or screen.

Key Name	Action
10. PF7 (ADD)	To add a new entry into the table.
11. PF8 (DEL)	To remove an existing entry from the table.
12. PF9 (SAVE)	To save the changes and leave the edit or to add function indicated by the last line on the screen.
13. PF10 (EXIT)	Do not save the changes, leave the edit or add function, go back to previous screen.
14. PF11 (LIST)	To obtain a list on the high speed printer or your PC printer.
15. PF12 (DISK)	To obtain a file stored on your disk.
16. PF13	To print error files or listing on your PC printer.
17. Selection Key (Enter or Return)	To make a selection from any menu, move the arrow or blinking underscore, known as the cursor, using the <TAB> and <SHIFT><TAB> keys to the item to be selected and press the ENTER key.
18. ENTER key	To make selection, to save edited value, and to continue on to next screen.

1.5.3 Screens Format Explanations.

There are four different software environments:

1. DOS
2. SIMPC
3. CMS
4. NOMAD.

1. DOS - This is the operating system used by the PC. The prompts indicate the disk drive and directory that is currently available (C:\SIMPC).

2. SIMPC - This is a terminal emulation software package that enables you to use your PC as a full screen IBM 3270 terminal to communicate with the host computer. The HQ-IFS host computer can communicate with the IBM 3270 terminal, but not directly with a PC.

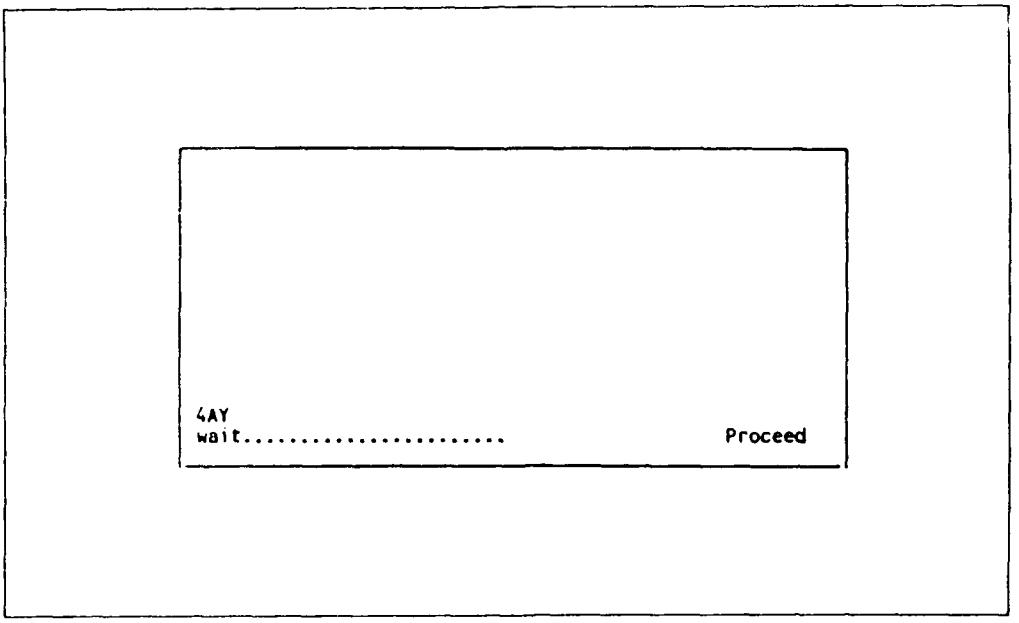

Figure 1.5.3-1 - SIMPC messages.

The last two lines on the screen are used to display SIMPC messages. The left side of the first line contains three characters (such 4AY) which indicate the status of your PC. (4AY means PC connected in TTY mode; 4A means PC connected in SIM3278 mode.) The right side of the first line will display either the word PROCEED or WORKING. PROCEED indicates that the program is ready to accept a command from the keyboard. WORKING indicates that the program is performing a function and that you MUST NOT ATTEMPT TO ENTER INFORMATION through the keyboard. PLEASE DO NOT PRESS ANY KEY ON THE KEYBOARD WHEN THE WORD "WORKING" IS DISPLAYED. When WORKING is displayed the program will inform you of what the program is doing by printing a message on the bottom line on the left side. One of the following messages will appear:

WAIT...: Waiting for data from the host computer
COMM... : Receiving data from the host computer

3. CMS - This is the operating system used by the host computer. Messages from CMS are displayed on the third line from the bottom of the page above the SIMPC message lines. All messages appear on the right side of the line.

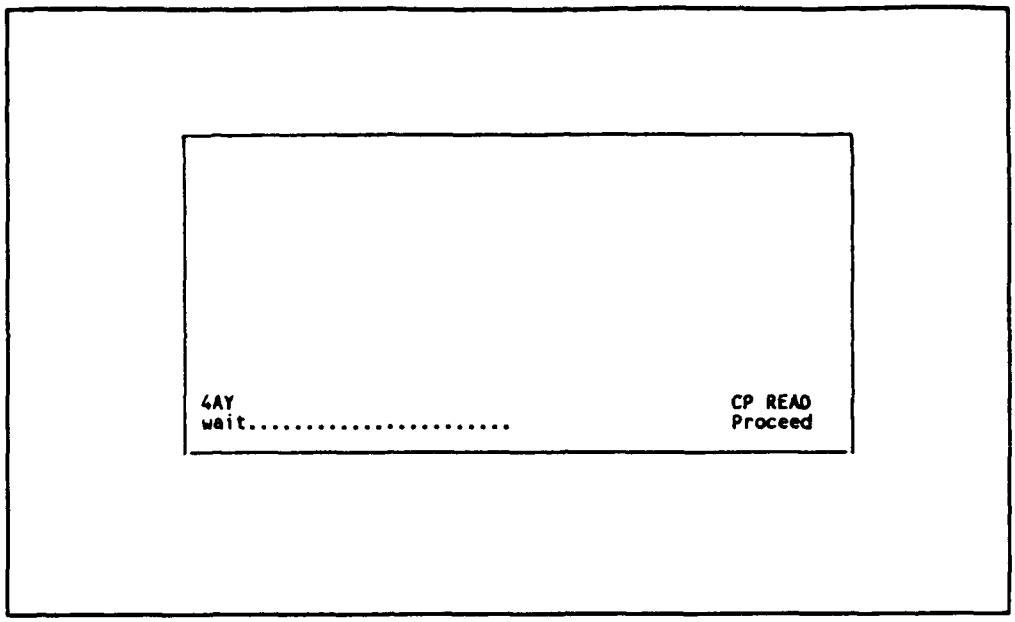

Figure 1.5.3-2 CMS messages.

One of the following messages will appear:

a. CP READ - CP is in the Control Program Environment. The terminal is waiting for a line to be read by the control program, no user input is necessary.

b. VM READ - VM is in the Virtual Machine Environment. This indicates that your terminal is waiting for a line to be issued to your virtual machine.

c. RUNNING - The computer is processing your request.

d. MORE - The computer has more information to display on the next screen. Press <CTRL><HOME> to see the next screen.

4. NOMAD - This is the language used to program the MRPM system on the HQ-IFS host computer.

2. MRPM FUNCTIONS.

This chapter describes all functions of the system in the order that the functions appear on the screen. The manual shows the screens as each function is defined.

Section headings within this chapter are often composed of a title and a list of abbreviations, e.g., "2.2 Maintenance Prediction Model Basic Menu (RI, RIR, M, MR)". Each abbreviation means that its following screen will appear for that user priority level as you use the MRPM system. The abbreviations stand for:

1. RI = Reporting Installation Level
2. RIR = Reporting Installation Range Level
3. M = MACOM Level
4. MR = MACOM Range Level
5. A = Headquarters Army Level.

2.1 Interfacing Procedures and Screens.

2.1.1 Log-On Screen - Maintenance Resource Prediction Model (MRPM) Directory.

```
Maintenance Prediction Model - User Directory

Choose one of the following:

PF1     Enter Army System
PF2     Enter Learn Database
PF3     Logoff System
```

Figure 2.1.1-1 Maintenance resource prediction model directory.

This screen allows you to log on under two different databases:

1. PF1 - Logs you on to the real MRPM Army database
2. PF2 - Logs you on to the MRPM learning database
3. PF3 - Logs you off the either MRPM systems.

2.1.2 MRPM Introductory Screen.

2.1.2.1 New or Current Database Options.

When you log into the MRPM learn database, the following screen will appear:

```
*************************************************************
PLEASE ENTER YOUR CHOICE (1 OR 2) :

1. Using Current Learn Database
2. Create A New Learn Database
-------------------------------------------------------------
TYPE 1 OR 2 , THEN PRESS <ENTER>
*************************************************************

                                                  VM READ
```

Figure 2.1.2.1-1 Database option for learning.

There are two options available:

1. USING CURRENT LEARN DATABASE - The current learn database will be used for the MRPM functions. The current learn database may have been changed by a previous user while learning the system. Any previously changed values will remain in the current database. The resource calculation will be affected; thus, the values generated in reports may be different from those shown on this user manual.

2. CREATE A NEW LEARN DATABASE - The current learn database will be erased and a new consistent learn database will be created. The newly created learn database is always consistent with this users manual. It is advised to use this option every time you are learning a new feature.

2.1.2.2 MRPM CMS Main Menu.

```
*********************************************************
MRPM CMS MAIN MENU
---------------------------------------------------------
SELECTIONS :

M - TO ENTER THE MRPM SYSTEM
D - QUERY DISK STORAGE
Q - QUIT THE MENU

---------------------------------------------------------
TYPE M,D, OR Q PRESS <ENTER>
*********************************************************

                                                  VM READ
```

Figure 2.1.2.2-1 MRPM CMS main menu.

There are three types of functions available:

1. M - TO ENTER THE MRPM SYSTEM - This will start the MRPM system.

2. D - QUERY DISK STORAGE - This will display the disk storage information on the screen.

3. Q - QUIT THE MENU - This will terminate the MRPM system and allow you to log off the mainframe computer to your PC.

2.1.2.3 MRPM Login - Password.

```
                    MAINTENANCE PREDICTION MODEL
                        USERS LOGIN MENU

        MRPM LOGIN     :
        MRPM PASSWORD  :

        CURRENT USERS STATUS :
        1. UPDATE  2. READ ONLY

        DO YOU WANT TO GIVE UP YOUR UPDATING RIGHT (Y/N) :

PRESS PF10 TO EXIT SYSTEM
```

Figure 2.1.2.3-1 MRPM users login menu.

The HQIFS MRPM system is a multiuser system. It is a one writer and multiple-reader system. Only one user can update (write into) the main database at a time. All other users can only review (read) the database, generate reports, and list information. Every user is assigned an MRPM user ID and password. Your approved user ID and password have to be entered by the system administer in order for you to enter the system.

A user has to choose the type of data access, either to update or to read only. If there is already a user updating, a second user will not be granted an update permission. An updating user must give up his updating right when finish a logical update function.

There are four items to be entered:

1. MRPM LOGIN - The user's login for MRPM system.

2. MRPM PASSWORD - The user's password corresponding to the login ID for MRPM system.

3. CURRENT USER STATUS - A status of "1" means using the system for updating the database; "2" means using the system as a reader for reviewing the database and producing reports or lists.

4. UPDATING RIGHT - Any user has the right to decide how long to remain as a writer (updating). Enter "N" for maintaining the updating right if you want to lock other users from updating until you have completed a logical data update process. User is asked to enter "Y" or "N" when leaving the MRPM system.

2.1.3 User Priority Screen at Headquarters Army Level.

```
                                  ARMY LEVEL
UPDATING MODE            MAINTENANCE PREDICTION MODEL

                           ARMY USER PRIORITY MENU

          MRPM USER PRIORITY LEVELS :
             | TOTAL ARMY LEVEL
             | MACOM RANGE LEVEL
             | SPECIFIC MACOM LEVEL
             | REPORTING INSTALLATION RANGE LEVEL
             | REPORTING INSTALLATION LEVEL

          MISCELLANEOUS FUNCTIONS :
             | QUIT THE SYSTEM
             | REVIEW WHOLE ARMY DATABASE
             | REORGANIZE THE CURRENT MRPM DATABASE
```

Figure 2.1.3-1 User priority screen menu.

There are eight types of functions available; the first five specify the user priority level when using the MRPM system. When one of the first five options are selected the system will ask you to enter the appropriate MACOM and/or installation IDs. The last three perform miscellaneous functions.

1. TOTAL ARMY LEVEL - This allows the user to enter the MRPM system as a Headquarters, Army-level user.

2. MACOM RANGE LEVEL - This allows the user to enter the MRPM system as a range of MACOM ID users.

3. SPECIFIC MACOM LEVEL - This allows the user to enter the MRPM system as an individual MACOM user.

4. REPORTING INSTALLATION RANGE LEVEL - This allows the user to enter the MRPM system as a range of reporting installation user.

5. REPORTING INSTALLATION LEVEL - This allows the user to enter the MRPM system as an individual reporting installation user.

6. QUIT THE SYSTEM - This will bring the screen back to MRPM CMS main menu (Figure 2.1.2.2-1).

7. REVIEW THE WHOLE ARMY DATABASE - This allows the user to review the current total Army database. This screen displays all of the modelled Reporting Installation's ID, name, and the major command.

```
                    ARMY LEVEL
              YOUR DATABASE INFORMATION

R.INST.| REP. INSTALLATION NAME          | MAC | MTD |  TIME   |   DATE  |
51315    LEE FORT                         TD    2    14.25.39  09/05/89
***EA    MIL DISTRICT OF WASHINGTON       EA    5    14.29.44  09/05/89
*****    TOTAL ARMY                       **    5    14.36.52  09/05/89

PF1=TOP  PF4=NEXT  PF10=EXIT PF11=PRINT
```

Figure 2.1.3-2 Your database information.

8. REORGANIZE THE CURRENT MRPM DATABASE - This allows the Data Base Administrator to reorganize the database in order to reduce the storage and computation time.

2.1.3.1 MACOM Listing. (RI, RIR, M, MR)

When you select user levels such as MACOM RANGE, SPECIFIC MACOM, REPORTING INSTALLATION RANGE, and REPORTING INSTALLATION from the User Priority Screen Menu (Figure 2.1.3-1, page 2-5), the following screen appears. It lists all the MACOMs in the HQ-IFS Assets Database. Each MACOM has the two character ID and the verbal description. Enter the two character ID for the MACOM selection; then the facility information of the Reporting Installations of the selected MACOMs is accessible for Modelling, Resource Calculation, Listing, and Reporting.

```
LOW  MACOM :                    ARMY LEVEL
HIGH MACOM :        YOUR DATABASE INFORMATION

  MACOM  | MACOM NAME
  AA       CORPS OF ENGINEER
  EA       MIL DISTRICT OF WASHINTON
  HA       NATIONAL SECURITY AGENCY
  TD       TRNING & DOCTRINE COMMAND
  UA       INFORMATION SYS COMMAND
  VA       BALLISTIC MISSLE DEF SYS CMD

    PF1=TOP  PF2=LAST  PF4=NEXT  PF6=PREV  PF10=EXIT PF11=PRINT
```

Figure 2.1.3.1-1 MACOM listing.

2.1.3.2 Reporting Installation Level. (RI, RIR)

The following screen only appears when you select the REPORTING INSTALLATION RANGE or REPORTING INSTALLATION level from the User Priority Screen (Figure 2.1.3-1, page 2-5). This screen lists all the Reporting Installations of a specific MACOM in the HQ-IFS Assets Database. Each Reporting Installation has a five character ID and the text description. Enter the five character ID for the Reporting Installation selection; then the facility information of the selected Reporting Installation is accessible for Modelling, Resource Calculation, Listing, and Reporting.

```
LOW  ID :                    ARMY LEVEL
HIGH ID :            YOUR DATABASE INFORMATION

  REP.INS| REP. INST. NAME
  01252    RUCKER FORT                        TD
  21405    KNOX FORT                          TD
  29995    WOOD FORT LEONARD                  TD
  36325    HAMILTON FORT                      TD
  45455    JACKSON FORT                       TD
  51315    LEE FORT                           TD

     PF1=TOP  PF2=LAST  PF4=NEXT  PF6=PREV  PF10=EXIT  PF11=PRINT
```

Figure 2.1.3.2-1 Reporting installation list.

2.1.4 Database Option.

This set of screens allows the user to delete information in the MRPM database and review the current database. Different screens appear for each different user level.

1. Reporting installations in Section 2.1.4.1
2. Single MACOM in Section 2.1.4.2
3. Range of MACOMs in Section 2.1.4.3
4. Army Headquarters in Section 2.1.4.4

Please turn to the appropriate section for your user group.

2.1.4.1 Reporting Installation and Reporting Installation Range Level. (RI, RIR)

The following screen is the same for Reporting Installation and Reporting Installation Range:

```
UPDATING MODE              REPORT INSTALLATION
                            DATABASE OPTIONS:



SELECTIONS:

1.DELETE ALL THE FACILITIES CURRENT IN THE DATABASE
2.DELETE ONLY THE RESOURCE SUMMARY FILES
3.CONTINUE TO MRPM MAIN MENU

PLEASE ENTER 1,2, OR 3 --> (    )



PF1 = REVIEW CURRENT DATABASE, PF10=EXIT

--------------------MESSAGES----------------------------------
```

Figure 2.1.4.1-1 Database options screen - RI, RIR.

There are four functions:

1. DELETE ALL THE FACILITIES CURRENT IN THE DATABASE - This will delete all facilities information in the reporting installation or a range of reporting installations specified in the user priority screen. This option should be used only when you are going to copy the latest set of facilities from the IFS Assets database.

2. DELETE ONLY THE RESOURCE SUMMARY FILES - This will delete only the resource summary files of the reporting installation or a range of reporting installations specified at user priority screen. This does not delete the general facility information. This option should be used only when the resource information is no longer useful to anyone in the organization.

3. CONTINUE TO MRPM MAIN MENU - This will display the MRPM main menu.

4. PF1 - REVIEW CURRENT DATABASE - This will display a listing of reporting installations in MRPM database currently accessible according to the current user priority level.

```
                    REPORT INSTALLATION
              YOUR DATABASE INFORMATION

R.INST.| REP. INSTALLATION NAME        | MAC | MTD | TIME    | DATE    |
51315    LEE FORT                       TD    2    14.25.39  09/05/89

PF1=TOP  PF4=NEXT  PF10=EXIT PF11=PRINT
```

Figure 2.1.4.1-2 Your database information.

PF1 displays the reporting installation ID in the first column, reporting installation name in the second column, and the major command id for the reporting installation in the third column.

2.1.4.2 Specific MACOM Level. (M)

```
UPDATING MODE          SPECIFIC MACOM LEVEL
                     DATABASE STORAGE SELECTION :

  I. REPORTING INSTALLATION OPTION:

   1.DELETE ALL REPORTING INSTALLATION IN MACOM
   2.DELETE A RANGE OF REPORTING INSTALLATION IN MACOM
   3.DELETE A SPECIFIC REPORTING INSTALLATION IN MACOM
   4.CONTINUE TO MRPM MAIN MENU

PLEASE ENTER 1, 2, 3, OR 4   ---> (   )

  II. CRITERIA :
   A. DELETE ALL THE FACILITIES INFORMATION
   B. DELETE ONLY THE RESOURCE SUMMARY FILES

PLEASE ENTER A OR B ---> (   )

PF1 = REVIEW CURRENT DATABASE  PF10=EXIT

-------------------MESSAGES----------------------------------
```

Figure 2.1.4.2-1 Database option screen.

There are five functions available from this screen:

1. DELETE ALL REPORTING INSTALLATIONS IN MACOM - This will delete all the reporting installations information based on the criteria A or B.Criteria A will delete all the facility information of each reporting installation in the MACOM. Criteria B will delete only the resource summary files of each reporting installation in the MACOM.

2. DELETE A RANGE OF REPORTING INSTALLATIONS IN MACOM - This will delete only the range of reporting installations specified in the following screen:(Criterion A and B are the same as 1 above.)

```
                    SPECIFIC MACOM LEVEL
              REPORTING INSTALLATION RANGE FOR
                  DELETION OF DATABASE


          PLEASE ENTER THE REPORTING INSTALLATION ID
                DELETION OF DATABASE


        LOW REPORTING INSTALLATION ID          : (      )
        HIGH REPORTING INSTALLATION ID         : (      )



    PF10=EXIT
```

Figure 2.1.4.2-2 Reporting installation range for deletion.

3. DELETE A SPECIFIC REPORTING INSTALLATION IN MACOM - The following screen will delete only the information of the reporting installation specified.

```
SPECIFIC MACOM LEVEL
REPORTING INSTALLATION RANGE
DELETION OF DATABASE

PLEASE ENTER THE REPORTING INSTALLATION ID
FOR THE DELETION OF DATABASE

REPORTING INSTALLATION ID :  (        )
```

Figure 2.1.4.2-3 Specific installation to be deleted.

Criterion A or B is the same as 1 above.

4. CONTINUE TO MRPM MAIN MENU - This will continue to MRPM Banner and MRPM Basic Menu.

5. PF1 - REVIEW CURRENT DATABASE - This will display a listing of reporting installations in MRPM database currently accessible by your MACOM level.

```
                    SPECIFIC MACOM LEVEL
              YOUR DATABASE INFORMATION

R.INST.| REP. INSTALLATION NAME        | MAC | MTD |  TIME   |   DATE   |
51315  | LEE FORT                      | TD  |  2  | 14.25.39 | 09/05/89 |



PF1=TOP  PF4=NEXT  PF10=EXIT PF11=PRINT
```

Figure 2.1.4.2-4 Your database information - M.

It displays the reporting installation ID in the first column, reporting installation name in the second column, and the major command for the reporting installation in the third column.

2.1.4.3 MACOM Range Level. (MR).

```
UPDATING MODE          MACOM RANGE LEVEL
                     DATABASE STORAGE SELECTION :


   1.DELETE ALL MACOM RANGE SPECIFIED IN NEXT SCREEN
   2.DELETE A RANGE OF REPORTING INSTALLATION
   3.CONTINUE TO MRPM MAIN MENU

PLEASE ENTER 1, 2,OR 3       ---> (   )


 III. CRITERIA :
   A. DELETE ALL THE FACILITIES INFORMATION
   B. DELETE ONLY THE RESOURCE SUMMARY FILES

PLEASE ENTER A OR B ---> (   )


PF1 = REVIEW CURRENT DATABASE  PF10=EXIT

--------------------MESSAGES-----------------------------------
```

Figure 2.1.4.3-1 Database option screen - MR.

There are four functions. In each function, criterion A will delete all the facility information of each reporting installation in the MACOM range. Criterion B will delete only the resource summary files of each reporting installation in the MACOM range.

1. DELETE ALL MACOM RANGE SPECIFIED IN NEXT SCREEN - This will delete all the reporting installations in the range of MACOMs specified in the following screen.

```
                    MACOM RANGE LEVEL
                 RANGE OF MACOM IDS
                DELETION OF DATABASE


          PLEASE ENTER THE RANGE OF MACOM ID
               DELETION OF DATABASE


         ENTER THE LOW MACOM ID ( OR  ALL )      : (     )
         ENTER HIGH MACOM ID                     : (     )



     PF10=EXIT
```

Figure 2.1.4.3-2 MACOM range for deletion screen.

2. DELETE A RANGE OF REPORTING INSTALLATION - This will delete the range of reporting installations specified in the following screen:

```
                    MACOM RANGE LEVEL
            REPORTING INSTALLATION RANGE FOR
                DELETION OF DATABASE


        PLEASE ENTER THE REPORTING INSTALLATION ID
              DELETION OF DATABASE


       LOW REPORTING INSTALLATION ID ( OR ALL ) : (        )
       HIGH REPORTING INSTALLATION ID         :  (        )



  PF10=EXIT
```

Figure 2.1.4.3-3 Range of reporting installation for deletion screen.

3. CONTINUE TO MRPM MAIN MENU - This will continue to MRPM banner and MRPM main menu.

4. PF1: REVIEW CURRENT DATABASE - This will display a listing of reporting installations in MRPM database currently accessible by your MACOM range.

```
                    MACOM RANGE LEVEL
              YOUR DATABASE INFORMATION

R.INST.| REP. INSTALLATION NAME          | MAC | MTD |  TIME  |  DATE  |
51315    LEE FORT                         TD    2    14.25.39  09/05/89
***EA    MIL DISTRICT OF WASHINGTON       EA    5    14.29.44  09/05/89

V  PF1=TOP  PF4=NEXT  PF10=EXIT PF11=PRINT
```

Figure 2.1.4.3-4. Your database information - MR.

PF1 displays the reporting installation ID in the first column, reporting installation name in the second column, and the major command for the reporting installation in the third column.

2.1.4.4 Army Level. (A)

```
UPDATING MODE                ARMY LEVEL
                       DATABASE STORAGE SELECTION :

   1.DELETE THE REPORTING INSTALLATION OF WHOLE ARMY
   2.DELETE ALL MACOM RANGE SPECIFIED IN NEXT SCREEN
   3.DELETE A RANGE OF REPORTING INSTALLATION IN A SPECIFIC MACOM
   4.CONTINUE TO MRPM MAIN MENU

PLEASE ENTER 1, 2, 3, OR 4   ---> (   )

 III. CRITERIA :
   A. DELETE ALL THE FACILITIES INFORMATION
   B. DELETE ONLY THE RESOURCE SUMMARY FILES

PLEASE ENTER A OR B ---> (   )


PF1=REVIEW CURRENT DATABASE    PF10=EXIT

-------------------MESSAGES-----------------------------------
```

Figure 2.1.4.4-1 Database storage selection.

There are five functions. In the first three functions, criterion A will delete all information for each reporting installation in the Army. This includes both the facility information and the resource summary files. Criterion B will delete only the resource summary files of each reporting installation in the Army. The facility information will not be deleted.

1. DELETE THE REPORTING INSTALLATION OF WHOLE ARMY - This will delete the appropriate information for all the reporting installations currently in your MRPM database.

2. DELETE ALL MACOM RANGE SPECIFIED IN NEXT SCREEN - This will delete the appropriate information for all the reporting installations in the range of MACOMs specified.

```
                    ARMY LEVEL
                RANGE OF MACOM IDS
               DELETION OF DATABASE


        PLEASE ENTER THE RANGE OF MACOM ID
              DELETION OF DATABASE


       ENTER THE LOW MACOM ID ( OR  ALL )      :  (     )
       ENTER HIGH MACOM ID                     :  (     )



  PF10=EXIT
```

Figure 2.1.4.4-2 Range of MACOM for deletion screen.

3. DELETE A RANGE OF REPORTING INSTALLATION - This will delete the appropriate information for the range of reporting installations specified in the following screen.

```
                    ARMY LEVEL
          REPORTING INSTALLATION RANGE FOR
              DELETION OF DATABASE


     PLEASE ENTER THE REPORTING INSTALLATION ID
          DELETION OF DATABASE


    LOW REPORTING INSTALLATION ID ( OR ALL ) : (       )
    HIGH REPORTING INSTALLATION ID         :  (       )
```

Figure 2.1.4.4-3 Range of reporting installation for deletion screen.

4. CONTINUE TO MRPM MAIN MENU - This will continue to MRPM Banner and MRPM Main Menu.

5. PF1 - REVIEW CURRENT DATABASE - This will display a listing of Reporting Installations in the MRPM database currently accessible by Army Headquarters.

```
                    ARMY LEVEL
              YOUR DATABASE INFORMATION

R.INST.| REP. INSTALLATION NAME          | MAC | MTD |  TIME   |  DATE  |
51315    LEE FORT                         TD    2    14.25.39  09/05/89
***EA    MIL DISTRICT OF WASHINGTON       EA    5    14.29.44  09/05/89
*****    TOTAL ARMY                       **    5    14.36.52  09/05/89

V  PF1=TOP  PF4=NEXT  PF10=EXIT PF11=PRINT
```

Figure 2.1.4.4-4 Your database information - A.

The screen displays the reporting installation ID in the first column, reporting installation name in the second column, and the major command for the reporting installation in the third column.

2.2 Maintenance Prediction Model Basic Menus. (RI, RIR, M, MR, A)

```
TOTAL ARMY                    ARMY LEVEL
UPDATING MODE           MAINTENANCE PREDICTION MODEL

                                MAIN MENU

                        |   BASIC INFORMATION
                        |   FACILITY INFORMATION
                        |   MRPM BATCH PROCESSING MODE
                        |   REVIEW CURRENT DATABASE

PF10=EXIT
```

Figure 2.2-1 Maintenance prediction model main menu.

There are four functions available:

1. BASIC INFORMATION - These functions allow you to maintain tables that contain the general information required to define the installation's maintenance policies.

2. FACILITY INFORMATION - These functions allow you to define general information about each facility, perform resource prediction calculations, and obtain reports.

3. MRPM BATCH PROCESSING MODE (FUTURE DEVELOPMENT) - This will display a screen for you to define the processing mode for MRPM. The default mode is nonbatch-processing. IFS modelling, Resource Calculations, and Reports generation can be set to be processed in batch. The processing can be done immediately or overnight.

4. REVIEW CURRENT DATABASE - This will display a listing of reporting installations, IDs, reporting installation name, each reporting installation and the major command accessible by the current user priority level.

```
                    ARMY LEVEL
              YOUR DATABASE INFORMATION

R.INST.| REP. INSTALLATION NAME          | MAC | MTD |  TIME   |  DATE  |
51315    LEE FORT                         TD    2    14.25.39  09/05/89
***EA    MIL DISTRICT OF WASHINGTON       EA    5    14.29.44  09/05/89
*****    TOTAL ARMY                       **    5    14.36.52  09/05/89

V  PF1=TOP  PF4=NEXT  PF10=EXIT PF11=PRINT
```

Figure 2.2-2 Your database information.

2.3 Basic Information Selection Menu. (RI, RIR, M, MR, A)

```
TOTAL ARMY                ARMY LEVEL
UPDATING MODE           BASIC  INFORMATION
                          SELECTION MENU

                    |  GENERAL INFORMATION

        PF10=EXIT
```

Figure 2.3-1 Basic information selection menu.

1. GENERAL INFORMATION - Tables dealing with organization charts, Recurring Maintenance Factors (RMFs), F4C to AMS conversion tables, reporting periods, unit cost F4C range, unit cost factors, and armywide trade cost table can be accessed by selecting this function.

2.3.1 General Information. (RI, RIR, M, MR, A)

```
                    ARMY LEVEL
                GENERAL INFORMATION
                   SELECTION MENU


              | ORGANIZATION CHART
              | AMS-RMF FACTORS
              | F4C CONVERSION CODES
              | REPORT PERIODS
              | UNIT COST BY AGE - F4C RANGE
              | ARMYWIDE TRADE COST TABLE


        ENTER PF10 TO RETURN TO PREVIOUS MENU
```

Figure 2.3.1-1 General information selection menu.

2.3.1.1 Organization Chart. (RI, RIR, M, MR, A)

This table contains a listing of all major reporting organizations in the Army. This table cannot be edited by the user.

```
                    ARMY LEVEL
                 BASIC  INFORMATION
                 ORGANIZATION CHART

INSTALLATION                          MACOM
ID      NAME                          ID  NAME

BE173                                 MA
BE215                                 MA
BE217                                 MA
BE225                                 MA
BE381                                 MA
BE724                                 MA
BE828                                 MA
BZ003                                 MA
BZ013                                 MA
BZ023                                 MA
BZ028                                 MA

  PF1=TOP    PF2=BOT    PF3=FIND    PF4=NEXT        PF6=PREVIOUS
  PF10=EXIT  PF11=LIST  PF12=DISK

  - PF10=EXIT -----MESSAGES-----------------------------------
```

Figure 2.3.1.1-1 Organization chart.

Each installation in the Army has been assigned a unique five-character installation ID that is listed in the first column of this table. Second column is the name associated with each installation.

Each Major Command has a unique two-character MACOM ID. This ID is shown in the third column with its name in the fourth column.

2.3.1.2 AMS-RMF Factors. (RI, RIR, M, MR, A)

This table has been developed by HQDA and contains a listing of the installation's Recurring Maintenance Factors (RMF) by AMS codes. The RMF factors have been calculated by averaging the past 5 years of actual expenditure data as reported in the Technical Data Report. The RMF factors are expressed in dollars per unit of measure such as dollars per sq ft for building facilities.

```
                    ARMY LEVEL
                 BASIC  INFORMATION
                    AMS  RANGE


        LOW AMS  :  K2600          HIGH AMS  :   K2600


PF1=TOP  PF2=BOT  PF3=FIND  PF4=NEXT  PF5=NEXTPAGE PF6=PREV  PF7=ADD
PF8=DEL   PF10=EXIT  PF11=LIST   PF12=DISK
```

Figure 2.3.1.2-1 AMS range.

This table contains the recurring maintenance factors for reporting installations. When the same RMF values apply to several sequential AMS codes, a range of AMS values can be specified for one set of RMF's.

```
                    ARMY LEVEL
                 BASIC  INFORMATION
                    AMS AND RMF

 LOW AMS  :  K2600          HIGH AMS  :   K2600

REPORTING INST ID   RMF FACTOR
*****                 1.0000
***AA                 1.1000
***EA                 1.3000
***HA                 1.5000
***TD                 1.4000
***UA                 1.6000
01252                 1.7000
04005                 1.8000
11605                 1.9000
13RPI                 2.0000
17RPI                 2.1000
21405                 2.2000
24625                 2.3000

   PF1=TOP  PF2=BOT  PF3=FIND  PF4=NEXT  PF5=EDIT  PF6=PREV  PF7=ADD
   PF8=DEL  PF9=SAVE PF10=EXIT
```

Figure 2.3.1.2-2 RMF factor for AMS range.

Every AMS range has a listing of reporting installation IDs and RMF factors. These RMF factors are used in Resource Calculations using RMF.

2.3.1.3 F4C Conversion Codes. (RI, RIR, M, MR, A)

This table contains a listing of all F4C codes and the appropriate AMS conversion code values for each F4C code. The table has been copied directly from HQIFS.

```
                    ARMY LEVEL
                  BASIC  INFORMATION
F4C CODE RANGE GROUP AND APPROPRIATION CODE EDITOR

                      AMS            F4C          COMPONENT
  F4C      F4C      CONVERSION     PREDICTION     PREDICTION
  CODE     GROUP       CODE          CODE           GROUP
1110000            K5210
1111000            K5210
1111100            K5220
1112000            K5210
1112100            K5220
1113000            K5210
1113100            K5220
1114000            K5210
1114100            K5220
1121000            K5210
1121100            K5220
1122000            K5210
1131000            K5210

PF1=TOP  PF2=BOT  PF3=FIND  PF4=NEXT  PF5=EDIT  PF6=PREV . PF7=ADD
PF8=DEL  PF9=SAVE PF10=EXIT PF11=LIST PF12=DISK
```

Figure 2.3.1.3-1 F4C to AMS conversion table.

The F4C Group Code indicates basic Army tables, including the resource summary tables that should be applied for this F4C. Other columns are not currently used.

2.3.1.4 Report Periods. (RI, RIR, M, MR, A)

This table allows you to enter the current report period beginning and ending years, normally changed yearly. The first screen shows the report period of a specific reporting installation to be changed.

```
                    ARMY LEVEL
          INSTALLATION TABLE-REPORT YEAR

R.INST.| REP. INSTALLATION NAME          | MAC | BEGYR | ENDYR |
*****    TOTAL ARMY                       **    1989    1998
***EA    MIL DISTRICT OF WASHINGTON       EA    1989    1998
51315    LEE FORT                         TD    1989    1998

V PF1=TOP PF2=LAST PF4=NEXT PF5=EDIT PF6=PREV PF9=SAVE PF10=EXIT
```

Figure 2.3.1.4-1 Reporting installation ID for report period.

2.3.1.5 F4C - Unit Cost Database Selection Menu.

There are three types of databases: (1) U.S. total F4C unit cost database; (2) U.S. database, which can be divided into two types of facilities, i.e., permanent, for facilities that will last for more than 5 years and temporary for facilities that will last for 5 years or less; (3) Europe database, for facilities in West Germany only.

```
                    ARMY LEVEL

              BASIC INFORMATION
        EDIT UNIT COST - F4C RANGE


          |  F4C RANGE - UNIT COST ID

          |  UNIT COST BY AGE



      ENTER PF10 TO RETURN TO PREVIOUS MENU
```

Figure 2.3.1.5-1 F4C - Unit cost database selection menu.

There are two tables: (1) F4C range - average cost per sq ft ID table, and (2) unit cost factors table for all types of databases.

2.3.1.5.1 F4C Range - Average Cost Per Square Foot ID Table.

This table consists of F4C ranges associated with a two-character ID. F4C ranges do not overlap. The average cost per sq ft ID is used as a key to the unit cost factor table (2.3.1.5.2).

ARMY LEVEL

BASIC INFORMATION
F4C RANGE - AVERAGE COST / SF ID

LOW F4C	HIGH F4C	TOTAL	USA:P	USA:T	GERMANY
1000000	6999999	11	12	13	14
7000000	9999999	21	22	23	24

PF1=TOP PF2=BOT PF3=FIND PF4=NEXT PF5=EDIT PF6=PREV PF7=ADD
PF8=DEL PF9=SAVE PF10=EXIT PF11=LIST PF12=DISK

Figure 2.3.1.5.1-1 F4C range - average cost per square foot ID table.

2.3.1.5.2 Unit Cost Factor Table.

This table consists of the average cost per sq ft ID, number of years, Annual Recurring Maiantenance (ARM) adjustment factor, unit cost adjustment factor, and the unit cost factor by years. The average cost per sq it ID is used as the key to each table. The factor used is based on the age of the facility. Any facility with age greater than 80 years uses the factor of the 80th year. ARM is the adjustment factor for all tasks except replacement and high cost tasks.

```
                          ARMY LEVEL

                        BASIC  INFORMATION
                         UNIT COST FACTOR
ID CODE :  11               A.R.M. COST        :      1.10
NUMBER OF YEARS   :  80     UNIT COST ADJUST.  :      1.10

                   YEAR     M.R.T. COST FACTOR
                     1        1.10
                     2        2.10
                     3        3.10
                     4        4.10
                     5        5.10
                     6        1.10
                     7        2.10
                     8        3.10
                     9        4.10
                    10        5.10
                    11        1.10

   PF1=TOP  PF2=BOT  PF3=FIND  PF4=NEXT  PF5=EDIT  PF6=PREV  PF7=ADD
   PF8=DEL  PF9=SAVE PF10=EXIT PF11=LIST PF12=DISK
```

Figure 2.3.1.5.2-1 Unit cost factor table.

2.3.1.6 Army Trade Cost Table.

This table contains the Army-wide adjustment factors for reporting installations. Three data items are available in this table: (1) location adjustment factor (LOC.ADJ.), (2) carpenter shop effective rate (CARP.SHOP.EFF), and (3) carpenter maintenance truck rate (CARP.TRUCK.RATE).

```
                          ARMY LEVEL
                       BASIC  INFORMATION
                    ARMY TRADE COSTS TABLE

REPORT      INSTALLATION                    MAT.   CARP.   CARP
INST ID     NAME                            LOC.   SHOP    MAINT.
                                            ADJ.   EFF.    RATE
*****       ARMY LEVEL                       1.08   1.50    2.50
***AA       GEORGIO AND OTHER                1.10   1.20    1.30
***EA       MIL DIST OF WASH.                1.04   1.40    2.50
***HA       NATIONAL SECURITY AGENCY         1.23   1.50    2.50
***TD       TRNING & DOCTRINE COMMAND        2.33   2.33    2.33
***UA       INFORMATION SYSTEMS COMMAND      2.10   2.20    2.30
01252       RUCKER FORT                      1.10   1.20    1.10
04005       HUACHUCA FORT                    3.30   3.20    3.40
11605       MCNAIR FORT LSESLEY J            1.10   2.20    2.20
13RPI       GEORGIA AND OTHERS               3.30   2.30    4.30
17RPI       ILLINOIS AND OTHERS              2.20   2.10    1.50
21405       KNOX FORT                        1.10   1.10    2.10
24625       RITCHIE FORT                     2.20   1.10    1.20

    PF1=TOP  PF2=BOT  PF3=FIND  PF4=NEXT  PF5=EDIT  PF6=PREV  PF7=ADD
    PF8=DEL  PF9=SAVE PF10=EXIT PF11=LIST PF12=DISK  E PF10=EXIT
PLACE CURSOR BEFORE MENU ITEM - "ENTER" TO SELECT - PF10 TO EXIT
```

Figure 2.3.1.6-1 Army trade costs table.

2.4 Facility Information.

2.4.1 Facility Information Selection Menu. (RI, RIR, M, MR, A)

This menu allows you to perform all activities related directly to an individual facility or group of facilities. The following functions are available:

```
TOTAL ARMY                    ARMY LEVEL
UPDATING MODE             FACILITY INFORMATION
                               SELECTION MENU

                     |   RESOURCE CALCULATION
                     |   DISPLAY RESOURCES - TABLE FORM
                     |   GENERAL INFORMATION
                     |   FACILITY REPORTS
                     |   MODEL FACILITY
                     |   REVIEW CURRENT DATABASE

PRESS PF10 TO RETURN TO PREVIOUS MENU
```

Figure 2.4.1-1 Facility information selection menu.

1. RESOURCE CALCULATION - This selection allows you to perform a resource calculation : (1) a facility ID calculation, (2) the range of facility IDs, or (3) the range of F4C codes. One resource prediction will be calculated for each facility or facility group within the range specified.

2. DISPLAY RESOURCES - TABLE FORM - This selection allows you to view resource prediction values on the CRT screen.

3. GENERAL INFORMATION - This selection allows you to enter the basic information describing each facility.

4. FACILITY REPORTS - This selection allows you to obtain several different reports on your printer.

5. MODEL FACILITY - This selection allows you to prepare a model of the facility.

6. REVIEW CURRENT DATABASE - This selection allows you to view the current database of your user priority level.

2.4.2 Resource Calculation Menu.

```
                    ARMY LEVEL
                FACILITY INFORMATION
        RESOURCE CALCULATION SELECTION MENU


DATABASE USED IN CALCULATION (A, B, C) :( B )
     A. TOTAL F4C DATABASE
     B. UNITED STATES - PERMANENT & TEMPORARY DATABASE
     C. EUROPE DATABASE

ENTER THE TYPE OF FACILITIES TO BE PROCESSED ( A, B, C) :( A )
     A. PERMANENT & TEMPORARY FACILITIES OR ALL
     B. PERMANENT FACILITIES ONLY
     C. TEMPORARY FACILITIES ONLY


PF4=NEXT SCREEN PF5=EDIT  PF9=SAVE  PF10=EXIT
```

Figure 2.4.2-1 Resource calculation - database and facilities type selection menu.

Two inputs are needed:

1. DATABASE USED IN CALCULATIONS - The user must define the database that is used for resource calculations. Three types of databases are available: (a) U.S. totals by F4C, (b) U.S. for permanent and temporary facilities, and (c) Europe totals by F4C for the facilities in West Germany.

2. TYPE OF FACILITIES TO BE PROCESSED - Facilities can be divided into permanent and temporary. "Permanent" is for facilities that last more than 5 years. "Temporary" is for facilities that last 5 or fewer years.

2.4.2.1 Range of Reporting Installation for Calculation Menu. (M, MR, A)

This screen allows the user to enter a range of reporting installations or ALL installations for performing resource calculations. The reporting installations will be calculated one by one.

Appropriation ID is needed to indicate those facilities that will be calculated. Appropriation ID is simplified by number, e.g., "1" is for OMA. Number 9 will calculate all Appropriation ID including the nonactive facilities.

```
                    ARMY LEVEL
              REPORTING INSTALLATION RANGE FOR
             RESOURCE CALCULATION AT MACOM LEVEL


          PLEASE ENTER THE REPORTING INSTALLATION ID
                 FOR RESOURCE CALCULTAION


     LOW REPORTING INSTALLATION ID    (OR ALL)  :  (        )
     HIGH REPORTING INSTALLATION ID             :  (        )

     ENTER APPROPRIATION ID (1,2,3,4,5,6,7,8,9)        :  (    )
        1=OMA 2=OMAR 3=AIF 4=RDTE 5=OPA 6=AFH 7=OTHER 8=NG
        9=ALL IDS


  PF10=EXIT P11=LIST-ID  ENTER=SAVE & CONTINUE
```

Figure 2.4.2.1-1 Range of reporting installation for calculation.

2.4.2.2 Resource Calculation Menu. (RI, RIR, M, MR, A)

The following two screens allow you to perform resource prediction calculations. To change any item on the screen, press the PF5 EDIT key, make the required changes, press the PF9 SAVE key, and then the PF1 RUN key to start the calculations.

```
                         ARMY LEVEL
                      FACILITY INFORMATION
                      RESOURCE CALCULATION

   NAME OF INSTALLATION:   TOTAL ARMY
   BEGINNING REPORT YEAR:  1989          ENDING REPORT YEAR:  1998
   MATERIAL ADJUSTMENT FACTOR:    1.08

MODELLING METHOD  :  5
   1. NOT ACTIVE AT PRESENT
   2. UNIT COST BY FACILITY AGE
   3. GROSS FLOOR AREA (NOT ACTIVE)
   4. RECURRING MAINTENANCE FACTORS (NOT ACTIVE)
   5. USE THE ITEM SPECIFIED IN FACILITY RECORD

UNIT COST ADJUSTMENT FACTOR : (  1.200 )
RMF ADJUSTMENT FACTOR       : (  1.000 )

FACILITY TYPE TO BE PROCESSED: ( 1 )
     1.BLD AND NON-BLD    2.BLD ONLY   3.NON-BLD ONLY

      PF1=RUN AS IS  PF5=EDIT  PF9=SAVE PF10=EXIT  ENTER=NEXT SCREEN
 V    PF13=PRINT ERROR
```

Figure 2.4.2.2-1 Resource calculation - screen 1.

The first screen is divided into six parts:

1. GENERAL INFORMATION - The top portion of the screen displays the name of the installation, the beginning and ending report period years (both are located within the report period table) and a location adjustment factor (which is located in the Army Trade Cost Table). If this information is not correct, please correct the data before performing calculations.

2. MODELING METHOD - Your can select one modeling method by entering one of the following numbers:

(1) Not active at present

(2) Unit Cost by Facility Age - This option uses the gross floor area listed in row 8 of the general facility information table and applies the Army average unit cost per sq ft in Washington, D.C., and the geographic location adjustment factor. The system will take the year of construction (e.g., 1942) and the report period dates (e.g., 1986 through 1998) and convert the report years to facility ages (1986: Age = 44, 1995: Age = 53). The system will go to the correct unit cost table and read the unit cost for the required ages (e.g., Age = 44, UC = $1.00/sq ft). The system will obtain the geographic location adjustment factor (e.g., 1.10). Total resource requirements will be produced by multiplying the facility gross sq ft of floor area (e.g., 2000 sq ft) by the unit cost (e.g., $1.00/sq ft) and the geographic location factor (e.g., 1.10).

(3) Gross floor area (Not active at present)

(4) Recurring Maintenance Factors (RMF)(Not active at present) - The system will use the gross floor area listed in the general facility information table and apply the recurring maintenance factors for the installation (the average of the last several years expenditures). This is the only method that can be used for nonbuilding facilities.

The system will take the year of construction (e.g., 1942) and the report period dates (e.g., 1986 through 1995) and convert the report years to facility ages (1986: Age = 44, 1995: Age = 53). The system will go to the RMF Factor Table and read the total cost per unit of measure for the required ages (e.g., Age = 44, total cost = $0.76/sq ft). Total dollar costs are produced by multiplying total resources per unit of measure (e.g., $.76/sq ft) by the gross square feet of floor area (e.g., 2000 sq ft) or $1,520.

(5) Method specified in the facility information table - For each facility or facility group the system will use the modeling method that you have specified in the basic facility information table, item number (16), calculation method and task distribution method required.

3. UNIT COST TIME ADJUSTMENT FACTOR - The unit costs in the system were calculated at one point in time. Cost escalation may have occurred between the calculation date and the present date. This factor will be provided by (HQUSACE).

4. RMF ADJUSTMENT FACTOR - The RMFs were calculated at one point in time. Cost escalation may have occurred between the calculation date and the present date. This factor will be provided by HQUSACE.

5. FACILITY TYPE TO BE PROCESSED - Calculations can be performed for all facilities, building facilities only, or nonbuilding facilities only.

6. FUNCTION KEYS

a. PF1 (RUN AS IS) - This key will perform all calculations based upon the values described above.

The calculation program will display a message at the bottom of the screen, e.g., CURRENT FAC-ID: 41118****, F4C = 41118000 NO. OF FAC = 480. This message is changed after the calculation of a group of 40 facilities. Its purpose is to let you know that the program is working as requested. A calculation completed message will be printed at the end of the calculation process.

All errors encountered are stored in a print file which must be printed after each calculation (see Section 2.1.2 function number 8 - print error file).

b. PF5 (EDIT) - This key allows you to change the calculation parameters described above.

c. PF9 (SAVE) - This key allows you to save the calculation parameters described before using the F1 key.

d. PF10 (EXIT) - This key allows you to return to the previous menu.

e. PF13 (PRINT) - This key will print the error message, if any during the calculation. It also prints the beginning and ending time to calculate each reporting installation. It is advised to press PF13 after each calculation.

f. ENTER (NEXT SCREEN) - This key will display the next or second screen.

```
                    ARMY LEVEL
                FACILITY INFORMATION
                RESOURCE CALCULATION


ENTER RANGE OF INSTALLATION TO BE PROCESSED OR 'ALL' :
 LOW INSTALLATION ID OR 'ALL' :  ( ALL    )
 HIGH INSTALLATION ID         :  (        )

 FACILITIES TO BE PROCESSED:  3  (            ,            )
 1. FACILITY NUMBER RANGE.
 2. F4C RANGE
 3. ALL FACILITIES



  PF1=RUN AS IS   PF5=EDIT   PF9=SAVE   PF10=EXIT
  PF13=PRINT ERROR
```

Figure 2.4.2.2-2 Resource calculation - screen 2.

The second screen is divided into three parts:

1. INSTALLATIONS TO BE PROCESSED - You can define any range of reporting installations, one single subinstallation, a range of reporting installations or all reporting installations. The default is all reporting installations.

2. FACILITIES TO BE PROCESSED - You can select one of three facility processing methods:

a. Facility number range - You may specify a range of facility numbers to be calculated. The system will calculate one resource summary file for each facility from the first specified, to and including the last facility number specified.

b. F4C range - You may specify a specific range for calculation. The system will calculate one prediction for each facility that has an F4C number within the range specified.

c. All facilities - With one command you can specify calculation of all facilities for your reporting installation.

The last line on the screen shows you what function keys are available for your application.

3. FUNCTION KEYS

a. PF1 (RUN AS IS) - This key will perform all calculations based upon the values described above.

The calculation program will display a message at the bottom of the screen, e.g., CURRENT FAC-ID: 41118****, F4C = 41118000 NO. OF FAC = 480. This message is changed after the calculation of a group of 40 facilities. Its purpose is to let you know that the program is working as requested. A calculation completed message will be printed at the end of the calculation process.

All errors encountered are stored in a print file which must be printed after each calculation.

b. PF5 (EDIT) - This key allows you to change the calculation parameters described above.

c. PF9 (SAVE) - This key allows you to save the calculation parameters described before using the F1 key.

d. PF10 (EXIT) - This key allows you to return to the previous menu.

e. PF13 (PRINT) - This key will print the error message, that occurred during the calculation. It also prints the beginning and ending time to calculate each reporting installation. It is advised to press PF13 after each calculation.

2.4.3 Display Facility Resources - Table Form.

This feature allows you to review the table of resource requirements after a resource calculation is completed.

2.4.3.1 Reporting Installation To Be Displayed. (RIR, M, MR, A)

Only one reporting installation can be displayed at one time. This screen requires the user to enter only one reporting installation ID for display.

```
                                ARMY LEVEL
R.INST.ID :            YOUR DATABASE INFORMATION
  R.INST.| REP. INSTALLATION NAME          | MAC | MTD |  TIME   |  DATE  |
  51315    LEE FORT                         TD    2    14.25.39  09/05/89
  ***EA    MIL DISTRICT OF WASHINGTON       EA    5    14.29.44  09/05/89
  *****    TOTAL ARMY                       **    5    14.36.52  09/05/89



  ALL SCREENS : PF1=TOP PF4=NEXT-PAGE PF10=EXIT PF11=PRINT
  URR SCREEN  : PF7=ADD  PF8=DELETE
```

Figure 2.4.3.1-1 Reporting installation listing for display facility resources.

To select a Reporting Installation, type the Reporting Installation ID and press the <ENTER> key.

2.4.3.2 Display Facility Resources Within a Reporting Installation. (RI, RIR, M, MR, A)

This screen shows the resources of a facility within a Reporting Installation. The first line contains the Facility ID and the F4C description. The second line contains the Reporting Installation ID, and number of facilities in this group. The third line contains the installation number, and total sq ft. The fourth line contains the area ID and total 10-year cost.

The resources for 10 years are shown with RMF being the Recurring Maintenance resources, ARM being the Annual Recurring Maintenance cost, and MRT being the major cost/replacement task cost.

```
FACILITY ID :  A71111A00   F4C DESC. :  FH GEN
REP. INST.  :      *****   NUMBER OF FACILITIES :          1
INSTALLATION :      01     TOTAL SQUARE FOOTAGE :       1000
AREA        :        01    TOTAL TEN YEARS COST :     182480
     YEAR          1989       1990       1991       1992       1993

RMF                   0          0          0          0          0
A.R.M              6273       6273       6273       6273       6273
M.R.T             11975      11975      11975      11975      11975

TOTALS            18248      18248      18248      18248      18248

-----------------------------------------------------------------
     YEAR          1994       1995       1996       1997       1998

RMF                   0          0          0          0          0
A.R.M.             6273       6273       6273       6273       6273
M.R.T.            11975      11975      11975      11975      11975

TOTALS            18248      18248      18248      18248      18248
```

Figure 2.4.3.2-1 Display resources - table form.

There are six functions keys:

1. PF1 = TOP This will display the first facility in the reporting installation.
2. PF2 = BOT This will display the last facility in the reporting installation.
3. PF3 = FIND This will find and display the resource of the facility specified by the user.
4. PF4 = NEXT This will display the next facility.
5. PF6 = PREV This will display the previous facility.
6. PF10 = EXIT This will exit to previous screen - Facility Information Selection Menu.

2.4.4 General Information.

The system allows you to view the general information of one reporting installation at a time for reporting installation range, MACOM, MACOM range, and Army levels. The following screen appears:

```
                                ARMY LEVEL
R.INST.ID :              YOUR DATABASE INFORMATION
  R.INST.| REP. INSTALLATION NAME          | MAC | MTD |  TIME   |   DATE  |
  51315    LEE FORT                         TD    2    14.25.39  09/05/89
  ***EA    MIL DISTRICT OF WASHINGTON       EA    5    14.29.44  09/05/89
  *****    TOTAL ARMY                       **    5    14.36.52  09/05/89

ALL SCREENS : PF1=TOP PF4=NEXT-PAGE PF10=EXIT PF11=PRINT
URR SCREEN  : PF7=ADD  PF8=DELETE
```

Figure 2.4.4.1-1 Reporting installation listing for general information.

To select a Reporting Installation, type the Reporting Installation ID and press the <ENTER> key.

```
                                ARMY LEVEL
                            FACILITY INFORMATION
                        GENERAL FACILITY INFORMATION
REPORT INSTALLATION ID :  *****    ID NAME:  TOTAL ARMY
MACOM ID : **
        INSTALLATION    :   01
        AREA:               01     NO DESCRIPTION
        FACILITY ID:        A71111A00 (     1 BLD FACILITIES          )
        F4C CODE:           7111100        FH GEN
        NUMBER IN F/G            1
        TRAVEL ZONE:         1
        SQUARE FEET:             1000
        CONSTRUCTION YEAR:   1700
        W/P METHOD INDEX:    5      NO DESCRIPTION
        SPECIAL CONDITION MULTIPLIER ID:  01  DEFAULT SP COND MODIF
        SCHEDULED DISPOSAL DATE:
        LAST CHANGE DATE:
        LAST CALCULATION DATE:     09/05/89
        FACILITY FUNDING PROFILE:  01
        CALCULATION MODELING ID (1-4): 2  UNIT COST BY AGE
        ACCOUNTING ID :  OMA    Permanent
    PF1=TOP  PF2=BOT  PF3=FIND   PF4=NEXT   PF5=EDIT  PF6=PREV  PF7=ADD
PF8=DEL  PF9=SAVE PF10=EXIT  PF11=LIST  PF12=DISK PF14=PRINT
```

Figure 2.4.4.2-1 General facility information

This screen allows you to describe an individual facility or a number of identical (or similar) facilities as a group of facilities. This information is used by the calculation program to produce a resource estimate. The following information must be entered:

1. INSTALLATION ID - Enter the five-character ID for the installation.

2. AREA ID (not used at present - defaulted to 01) - Enter the two-character ID for the area as previously defined.

3. FACILITY ID - Enter the nine-character IFS ID. For Appropriation/F4C/Construction Year facility groups, the ID takes the form: AFFFFFXYY where A is the appropriation ID, F is F4C and XYY is construction year, where X is A for 1700, B for 1800, or C for 1900, and YY is the last two digits of the year.

4. FACILITY DESCRIPTION - Enter a phrase describing the facility.

5. F4C CODE - Enter the seven-character F4C code.

6. NUMBER IN F/G - Enter 1 for an individual facility or the number of individual facilities in a facility group.

7. TRAVEL ZONE (not used at present - defaulted to 1) - Enter the 2- character code to define the distance from the shop to the facility.

8. SQUARE FEET - Enter the quantity for the primary unit of measure. This would be gross sq ft of floor area for building facilities.

9. CONSTRUCTION YEAR - Enter the year the facility was originally built.

10. W/P METHOD INDEX (Not used at present - defaulted to 01) Select the way the work will be performed for this facility and enter the two-character work performance ID.

11. SPECIAL CONDITION MULTIPLIER ID (Not used at present - defaulted to 01) Select the correct special condition multiplier list to be applied and enter the appropriate two-character ID as previously defined in Section 2.2.4.3.

12. SCHEDULED DISPOSAL DATE - Enter the date if known. No resources will be programmed for this facility after this date.

13. LAST CHANGE DATE - This date is set by the computer as changes are made to this file.

14. LAST CALCULATION DATE - This date is set by the computer as calculations are made by the calculation program.

15. FACILITY FUNDING PROFILE - (Not used - defaulted to "01").

16. CALCULATION MODELING ID - Select the method (2) Unit Cost By Facility Age to be used to calculate resource predictions for this facility:

(1) Not used

(2) Unit Cost by Facility Age: This option uses the gross floor area listed in row 8 of the general facility information table and applies the Army average unit cost per sq ft in Washington, D.C., and the geographic location adjustment factor. The system will take the year of construction (e.g., 1942) and the report period dates (e.g., 1986 through 1998) and convert the report years to facility ages (1986: Age = 44, 1995: Age = 53). The system will go to the correct unit cost table and read the unit cost for the required ages (e.g., Age = 44, UC = $1.00/sf). The system will obtain the geographic location adjustment factor (e.g., 1.10). Total resource requirements will be produced by multiplying the facility gross sq ft of floor area (e.g., 2000 sq ft) by the unit cost (e.g., $1.00/sq ft) and the geographic location factor (e.g., 1.10).

(3) Gross floor area only (not used).

(4) Recurring Maintenance Factors (not used).

(5) Do Not Calculate - No calculations will be performed on this facility.

17. ACCOUNTING ID - Appropriation ID description for this facility. The first word is the abbreviated appropriation ID, and the second word can be permanent, temporary, NONACT. Permanent indicates permanent facilities; temporary indicates temporary facilities; NONACT indicates nonactive facilities. The description of the appropriation is available in Appendix A.

2.4.5 Reports. (RI, RIR, M, MR, A)

```
                    ARMY LEVEL
                FACILITY INFORMATION
                  FACILITY REPORTS

| F4C/AMS ORGANIZATIONAL SUMMARY REPORT
    | REVIEW REPORTS
    | PRINT F4C/AMS REPORT MENU
    | GENERATE F4C/AMS REPORT ON DISK

| 3 DIGIT F4C SUMMARY REPORT
    | REVIEW 3 DIGIT F4C REPORT
    | PRINT 3 DIGIT F4C REPORT
    | GENERATE 3 DIGIT F4C REPORT ON DISK

| URR COMPARISON REPORT
    | REVIEW URR REPORT
    | PRINT URR REPORT
    | GENERATE URR REPORT ON DISK

PF10=EXIT
```

Figure 2.4.5-1 Facility reports.

This screen allows you to generate, review, and/or print reports generated during this session only. Reports generated during a computer session are temporarily saved until the user logs off the system.

When you log off the system the temporary reports are deleted. Three types of reports are available: F4C/AMS, 3-digit summary F4C reports, and URR Report.

If you want to obtain a report by F4C codes summarized by area, installation, and reporting installation, use the "AMS/F4C Summary Report." The length of this report can be determined by adding one page for every three areas and installations and one page for the reporting installation totals.

If you want a report showing the total dollars predicted for each three-digit F4C, use the "3-Digit F4C Summary Report."

If you want a report a comparison between the edited URR values and the MRPM facility resource values then use the "URR Comparison Report."

2.4.5.1 Generate F4C/AMS Organizational Summary Report. (RI, RIR, M, MR,A)

This screen requires the user to provide the range of reporting installations, the appropriation ID, and type of facilities for generating the report.

```
                    ARMY LEVEL
          REPORTING INSTALLATION RANGE FOR
           RESOURCE SUMMARY AT MACOM LEVEL


     PLEASE ENTER THE REPORTING INSTALLATION ID
            FOR RESOURCE SUMMARY



    LOW REPORTING INSTALLATION ID (OR ALL)  :  (        )
    HIGH REPORTING INSTALLATION ID          :  (        )

    ENTER APPROPRIATION ID (1,2,3,4,5,6,7,8,9):(   )
    1=OMA 2=OMAR 3=AIF 4=RDTE 5=OPA 6=AFH 7=OTHER 8=NG
    9=ALL APPROP.IDS   A=NON-ACTIVE FAC. B=F4C/CY
    ENTER TYPE OF FACILITIES (A,B,C)          : (   )
    A=ALL  B=PERMANENT   C=TEMPORARY

PF10=EXIT PF11=LIST-ID ENTER=SAVE & CONTINUE
```

Figure 2.4.5.1-1 Reporting installation range for resource summary.

2.4.5.1.1 F4C/AMS Organizational Summary Selection Screen. (RI, RIR, M,MR, A)

This screen requires the user to enter parameters for generating reports.

```
                          ARMY LEVEL
                       FACILITY INFORMATION
                         FACILITY REPORTS
                 F4C/AMS ORGANIZATIONAL SUMMARY REPORT

  SELECT ONE OF THE FOLLOWING TWO METHODS (A/B):
    A. ENTER LOW AMS OR ALL:
       ENTER HIGH AMS:
    B. ENTER LOW F4C OR ALL:
       ENTER HIGH F4C:
-------------------------------------------
SELECT REPORTS TO BE GENERATED :
      REPORTING INSTALLATION       :
      INSTALLATION                 :
      AREA                         :
      FACILITY (WITH SUBTOTAL)     :
      FACILITY (WITH TOTALS)       :
    ENTER LOW FACILITY ID OR ALL:
    ENTER HIGH FACILITY ID:

  RUN REPORT (Y/N)

              PF10=EXIT  ENTER=SAVE & CONTINUE
```

Figure 2.4.5.1.1-1 F4C/AMS report selection screen.

Select A to use AMS range to generate report. Select B to use F4C range to generate report.

You can generate any or all of five different reports:

1. Reporting Installation Totals
2. Installation Totals
3. Area Totals (area within an installation)
4. Individual Facilities with Subtotals
5. Individual Facilities Totals Only.

You can continue with Section 2.4.5.4 reviewing reports on screen or continue on.

Figures 2.4.5.1.2, and 2.4.5.1.3 show the hard copy of the F4C/AMS Organizational Summary Report generated.

2.4.5.1.2. F4C/AMS Organizational Summary Report - Format Description.

This report will provide you with the F4C/AMS summary report requested. The report shows total resources summarized by reporting installation. The user can select a range of F4C/AMS codes for the report. The user can also select a range of facility IDs within the F4C/AMS range.

ORGANIZATIONAL SUMMARY REPORT : BY REP. INSTALLATION

Report on : ALL APPROP. - PERM & TEMP
Rep. Installation: *****

Date: 09/05/89 Page:

Installation Totals F4C: ALL

Number of Facilities: 22
Total Square Footage: 28120

	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
RMF	120	120	120	120	120	120	120	120	120	120
A.R.M.	156389	156389	156389	156389	156389	156389	156389	156389	156389	156389
M.R.T.	266547	264344	263178	284302	259807	257605	290135	277563	253068	250865
TOTALS	423057	420853	419687	440812	416317	414114	446644	434073	409578	407375

TOTAL DOLLARS FOR ALL YEARS 4232510

Figure 2.4.5.1.2-1 F4C/AMS summary report.

The first line of the heading for each page of this report states the name of the report "ORGANIZATIONAL SUMMARY REPORT: BY REP. INSTALLATION." The second line of the heading gives the type of facilities being reported. The third line of the heading gives the reporting installation name "Rep.Installation: 51315," the date the report was generated, e.g.,"8/31/88", and the page number of the report "Page: 1."

The body of each page contains two summary tables. Reporting installation totals are given at last line. F4C codes are printed with each summary total. The installation or installation and area Ids are printed as the left side heading. The total number of facilities summarized in the group and the total gross square feet of floor area for all summarized facilities is also printed.

There is one column of data for each report year. The year is printed as the column header.

There are five rows of information given:

1. RMF - Recurring Maintenance Factor Totals

2. ARM - Total for all tasks that are not high cost not replacement

3. MRT TOTALS - The total cost required for major replacement task for each year; the remainder after subtracting ARM from Totals

4. TOTALS - The total cost required for each report year for all facilities within this summary (RMF + ARM + MRT)

5. TOTAL DOLLARS FOR ALL YEARS - This is the grand total of the individual year totals printed in the "Totals" row above.

2.4.5.1.3 Total Facility Report - Format Description.

This report summarizes the resources required for each facility for the specific reporting installation.

This report contains the reporting installation ID, facility ID, number of facilities in the group, and the total sq ft of floor area. For each of the 10 years the RMF, ARM, MRT, and total costs are shown.

ORGANIZATIONAL SUMMARY REPORT : BY FACILITY

Report on : ALL APPROP. - PERM & TEMP

REP. INST I.D. : *****

Date : 09/05/89 Page : 1

SUB INST	F AREA	FACILITY ID	1989	1990	1991	1992	1993	1994	1995	1996	1997	199
01	01	A71111A00	18248	18248	18248	18248	18248	18248	18248	18248	18248	1824
		A71111B00	54743	54743	54743	54743	54743	54743	54743	54743	54743	5474
		A71111C00	91238	91238	91238	91238	91238	91238	91238	91238	91238	9123
		B61011***	10	10	10	10	10	10	10	10	10	1
		B61011B00	11120	11120	11120	11120	11120	11120	11120	11120	11120	1112
		B69010***	30	30	30	30	30	30	30	30	30	3
		C71111C81	19388	25091	30793	36495	19388	25091	30793	36495	19388	2509
		D61011***	20	20	20	20	20	20	20	20	20	2
		E71111C00	18248	18248	18248	18248	18248	18248	18248	18248	18248	1824
		K71111C00	36495	36495	36495	36495	36495	36495	36495	36495	36495	3649
		K71111C81	29082	37636	46189	54743	29082	37636	46189	54743	29082	3763
		K71111C82	36495	19388	25091	30793	36495	19388	25091	30793	36495	1938
		K71111C84	12545	15396	18248	9694	12545	15396	18248	9694	12545	1539
		L61011***	10	10	10	10	10	10	10	10	10	1
		L61011C81	37740	44479	17522	24261	31000	37740	44479	17522	2426	3100
		L69010***	10	10	10	10	10	10	10	10	10	1
		L71111***	10	10	10	10	10	10	10	10	10	1
		L71111C82	19673	10731	13712	16692	19673	10731	13712	16692	19673	1073
		M71111C00	18248	18248	18248	18248	18248	18248	18248	18248	18248	1824
		N71111C00	19673	19673	19673	19673	19673	19673	19673	19673	19673	1967

Figure 2.4.5.1.3-1 Facility report-total.

2.4.5.1.4 Review Report Selection Menu.

This screen allows the user to review a current report on screen at different levels, such as Reporting Installation level.

```
                    ARMY LEVEL
                FACILITY INFORMATION
                  REVIEW   REPORTS
            PRINT REPORTS SELECTION MENU


          | REVIEW F4C/AMS REPORT - REPORTING INSTALLATION
          | REVIEW F4C/AMS REPORT - INSTALLATION
          | REVIEW F4C/AMS REPORT - AREA
          | REVIEW F4C/AMS REPORT - FACILITY (SUBTOTALS)
          | REVIEW F4C/AMS REPORT - FACILITY (TOTALS)


PF10=EXIT
```

Figure 2.4.5.1.4-1 Review report selection menu.

2.4.5.1.4.1 Review Report - Reporting Installation. (RI, RIR, M, MR, A)

This screen displays the resource by reporting installation ID. Each different reporting installation will be displayed on screen one at a time. PF4 = NEXT is used to display the next reporting installation.

```
FACILIT Y ID :              F4C DESC. :
REP. INST.   :      *****   NUMBER OF FACILITIES :          22
INSTALLATION :              TOTAL SQUARE FOOTAGE :       28120
AREA         :              TOTAL TEN YEARS COST :     4232510
     YEAR          1989        1990        1991        1992        1993

RMF                 120         120         120         120         120
A.R.M            156388      156388      156388      156388      156388
M.R.T            266547      264344      263178      284302      259807

TOTALS           423057      420853      419687      440812      416317

-----------------------------------------------------------------------
     YEAR          1994        1995        1996        1997        1998

RMF                 120         120         120         120         120
A.R.M.           156388      156388      156388      156388      156388
M.R.T.           257605      290135      277563      253068      250865

TOTALS           414114      446644      434073      409578      407375

   PF1=TOP PF2=BOTTOM  PF3=FIND  PF4=NEXT PF6=PREV  PF10=EXIT
```

Figure 2.4.5.1.4.1-1 Review report - reporting installation.

2.4.5.1.4.2 Review Report - Installation. (RI, RIR, M, MR, A)

This screen displays the resources by installation of each reporting installation. PF4 is used to display the next reporting installation.

```
FACILIT Y ID :            F4C DESC. :
REP. INST.   :      *****  NUMBER OF FACILITIES :          22
INSTALLATION :      01     TOTAL SQUARE FOOTAGE :       28120
AREA         :             TOTAL TEN YEARS COST :     4232510
     YEAR          1989        1990        1991        1992        1993

 RMF                120         120         120         120         120
 A.R.M           156388      156388      156388      156388      156388
 M.R.T           266547      264344      263178      284302      259807

 TOTALS          423057      420853      419687      440812      416317

-----------------------------------------------------------------------
     YEAR          1994        1995        1996        1997        1998

 RMF                120         120         120         120         120
 A.R.M.          156388      156388      156388      156388      156388
 M.R.T.          257605      290135      277563      253068      250865

 TOTALS          414114      446644      434073      409578      407375

   PF1=TOP PF2=BOTTOM  PF3=FIND  PF4=NEXT PF6=PREV  PF10=EXIT
```

Figure 2.4.5.1.4.2-1 Review report - installation.

2.4.5.1.4.3 Review Report - Area. (RI, RIR, M, MR, A)

This screen displays the resources ordered by area, installation, and reporting installation.

```
FACILITY ID :              F4C DESC. :
REP. INST.  :      *****   NUMBER OF FACILITIES :          22
INSTALLATION :      01     TOTAL SQUARE FOOTAGE :       28120
AREA        :        01    TOTAL TEN YEARS COST :     4232510
     YEAR          1989       1990       1991       1992       1993

 RMF                120        120        120        120        120
 A.R.M           156388     156388     156388     156388     156388
 M.R.T           266547     264344     263178     284302     259807

 TOTALS          423057     420853     419687     440812     416317

-----------------------------------------------------------------------
     YEAR          1994       1995       1996       1997       1998

 RMF                120        120        120        120        120
 A.R.M.          156388     156388     156388     156388     156388
 M.R.T.          257605     290135     277563     253068     250865

 TOTALS          414114     446644     434073     409578     407375

   PF1=TOP PF2=BOTTOM  PF3=FIND  PF4=NEXT PF6=PREV  PF10=EXIT
```

Figure 2.4.5.1.4.3-1 Review report - area.

2.4.5.1.4.4 Review Report - Facility (Subtotals). (RI, RIR, M, MR, A)

This screen displays only total resources by facility. Each screen shows resources for one facility.

```
FACILIT Y ID :  A71111A00   F4C DESC. :   FH GEN
REP. INST.   :      *****   NUMBER OF FACILITIES :          1
INSTALLATION :         01   TOTAL SQUARE FOOTAGE :       1000
AREA         :         01   TOTAL TEN YEARS COST :     182477
      YEAR          1989        1990        1991        1992        1993

 RMF                   0           0           0           0           0
 A.R.M              6273        6273        6273        6273        6273
 M.R.T             11975       11975       11975       11975       11975

 TOTALS            18248       18248       18248       18248       18248

-----------------------------------------------------------------------
      YEAR          1994        1995        1996        1997        1998

 RMF                   0           0           0           0           0
 A.R.M.             6273        6273        6273        6273        6273
 M.R.T.            11975       11975       11975       11975       11975

 TOTALS            18248       18248       18248       18248       18248

   PF1=TOP PF2=BOTTOM  PF3=FIND  PF4=NEXT PF6=PREV  PF10=EXIT
```

Figure 2.4.5.1.4.4-1 Review report - facility (subtotals).

2.4.5.1.4.5 Review Report - Facility (Totals). (RI, RIR, M, MR, A)

This screen displays the subtotal resources by facility. Each screen displays the resources for one facility.

```
1                                   ------------ ------------------------------
                                    ORGANIZATIONAL SUMMARY REPORT : BY FACILITY
                                    ------------------------------------------
Report on : ALL APPROP. - PERM & TEMP
                                    -------------------------
                                    REP. INST I.D. : 51315
                                    -------------------------                    Date : 04/14/90     Page :     1
```

SUB INST	F AREA	FACILITY ID	1989	1990	1991	1992	1993	1994	1995	1996	1997	199
01234	02	A71111A00	202752	202752	202752	202752	202752	202752	202752	202752	202752	20275
		A71111B00	111514	111514	111514	111514	111514	111514	111514	111514	111514	11151
		A71111C00	37171	37171	37171	37171	37171	37171	37171	37171	37171	3717
		B69010***	453	453	453	453	453	453	453	453	453	45
		K71111C81	39494	51110	62726	74342	39494	51110	62726	74342	39494	5111
		K71111C82	37171	19747	25555	31363	37171	19747	25555	31363	37171	1974
		L61011***	227	227	227	[illegible]	227	227	227	227	227	22
		L61011C81	38438	45302	17846	24710	31574	38438	45302	17846	24710	3157
		L71111***	401	401	401	401	401	401	401	401	401	40
		M71111C00	37171	37171	37171	37171	37171	37171	37171	37171	37171	3717
		N71111C00	40075	40075	40075	40075	40075	40075	40075	40075	40075	4007

Figure 2.4.5.1.4.5-1 Review report - facility (totals).

2.4.5.1.5 Print Report Selection Menu.

This screen allows the printing of F4C/AMS report in an official format for reporting installation, installation, area, and facility.

```
                    ARMY LEVEL
              FACILITY INFORMATION
                 FACILITY REPORTS
          PRINT REPORTS SELECTION MENU


  PRINT F4C/AMS REPORT - REPORTING INSTALLATION
  PRINT F4C/AMS REPORT - INSTALLATION
  PRINT F4C/AMS REPORT - AREA
  PRINT F4C/AMS REPORT - FACILITY (SUBTOTAL)
  PRINT F4C/AMS REPORT - FACILITY (TOTALS)


ENTER PF10 TO RETURN TO PREVIOUS MENU
```

Figure 2.4.5.1.5-1 Print reports selection menu.

There are five functions:

1. PRINT F4C/AMS REPORT - REPORTING INSTALLATION - This will print the F4C/AMS report summarized by individual reporting installation IDs.

2. PRINT F4C/AMS REPORT - INSTALLATION - This will print the F4C/AMS report summarized by installation ID of the individual reporting installation.

3. PRINT F4C/AMS REPORT - AREA - This will print the F4C/AMS report summarized by area of the individual reporting installation.

4. PRINT F4C/AMS REPORT - FACILITY (SUBTOTALS) - This will print the F4C/AMS report summarized by facility group or individual facility.

5. PRINT F4C/AMS REPORT - FACILITY (TOTALS) - This will print the F4C/AMS report summarized by facility group or individual facility.

2.4.5.1.6 Generate F4C/AMS Report on Disk.

This will download the F4C/AMS report to your PC diskette in ASCII format for other purposes. You need to enter the path and filename to which the reports are to be downloaded. Enter a different path and filename for different reports (Note: make sure that there is a diskette in your PC drives).

```
                    ARMY LEVEL
              FACILITY INFORMATION
                FACILITY REPORTS
            DOWNLOAD REPORTS MENU

DISK FILENAME :

          | DOWNLOAD F4C/AMS REPORT - REPORTING INSTALLATION
          | DOWNLOAD F4C/AMS REPORT - INSTALLATION
          | DOWNLOAD F4C/AMS REPORT - AREA
          | DOWNLOAD F4C/AMS REPORT - FACILITY (SUBTOTAL)
          | DOWNLOAD F4C/AMS REPORT - FACILITY (TOTALS)

        ENTER PF10 TO RETURN TO PREVIOUS MENU
```

Figure 2.4.5.1.6-1 Download to disk for F4C/AMS reports.

1. DOWNLOAD F4C/AMS REPORT - REPORTING INSTALLATION - This will download the F4C/AMS report summarized by individual reporting installation IDs.

2. DOWNLOAD F4C/AMS REPORT - INSTALLATION - This will download the F4C/AMS report summarized by installation ID of the individual reporting installation.

3. DOWNLOAD F4C/AMS REPORT - AREA - This will download the F4C/AMS report summarized by area of the individual reporting installation.

4. DOWNLOAD F4C/AMS REPORT - FACILITY (SUBTOTAL) - This will download the F4C/AMS report summarized by facility group or individual facility.

5. DOWNLOAD F4C/AMS REPORT - FACILITY (TOTALS) - This will download the F4C/AMS report summarized by facility group or individual facility.

2.4.5.2 3-Digit F4C Summary Report.

This report will provide you with resource information summarized by the first three digits of the F4C code. Each report is generated for each reporting installation. Reports are generated, one reporting installation at a time. A range of reporting installations can be specified for this report.

2.4.5.2.1 Range of Reporting Installation. (M, MR, A)

```
                          ARMY LEVEL
                     FACILITY INFORMATION
                       FACILITY REPORTS
              3 DIGIT F4C FACILITY SUMMARY REPORT

     ENTER SUMMARY DOLLAR OPTION (A/B) : ( A )
       A. PRINT IN DOLLARS
       B. PRINT IN THOUSANDS DOLLARS

     ENTER REPORT CONTENTS (1/2): ( 1 )
        1. 3 DIGIT F4C SUMMARY
        2. 3 DIGIT F4C SUMMARY PER SQUARE FOOT

     ENTER LOW F4C NUMBER :  ( ALL     )
     ENTER HIGH F4C NUMBER : (         )

     ENTER FILENAME  :
     FILE DESCRIPTION :

  PF1=RUN  PF5=EDIT  PF9=SAVE EDIT   PF10=EXIT
```

Figure 2.4.5.2.1-1 3-digit F4C report selection menu.

Choice A or B allows the report to be generated in dollars or in thousands of dollars. Choice 1 or 2 allows the report to be generated using the first three digits of the F4C code to summarize the resource in dollars or thousands of dollars or to summarize the resource in dollar per sq ft format. Range of F4C can be specified with the low F4C and high F4C range.

PF13 is used to print time spent on generating the report.

2.4.5.2.2 Review 3-Digit F4C Report on Screen.

This screen allows the user to look at the 3-digit F4C report on screen. There is a listing of filename and description for the reports generated in the 3-digit F4C report screen. Enter the filename for review and press the <ENTER> key.

```
FILENAME  :                    ARMY LEVEL
DISK FILENAME :
  | FILENAME | FILE DESCRIPTION                                  |
    TEST1     TEST 1
    TEST2     TEST 2



ALL SCREENS : PF1=TOP PF4=NEXT PF8=DELETE PF10=EXIT ENTER=PRINT
```

Figure 2.4.5.2.2-1 Review 3-digit F4C report.

2.4.5.2.3 Print the 3-Digit F4C Report.

This option "PRINT 3-DIGIT F4C REPORT" on the Facility Report Selection Screen will print the three-digit F4C report on your printer (using same Figure as 2.4.5.2.2-1 above)

2.4.5.2.4 Generate 3-Digit F4C Report On Disk.

This will download the 3-digit F4C report to your PC diskette in ASCII format for other purposes. There is a listing of filenames generated in the 3-digit F4C reports. Each filename has a description of the file. You need to enter the filename from which to be downloaded and the path and filename to which the reports are to be downloaded on the diskette. Enter a different path and filename for different reports (Note: make sure that there is a diskette in your PC drives).

```
FILENAME  :                    ARMY LEVEL
DISK FILENAME :
  | FILENAME | FILE DESCRIPTION                                  |
    TEST1      TEST 1
    TEST2      TEST 2



ALL SCREENS : PF1=TOP PF4=NEXT PF8=DELETE PF10=EXIT ENTER=PRINT
```

Figure 2.4.5.2.4-1 Download 3-digit F4C to diskette.

2.4.5.2.5 3-Digit F4C Report Format Description - 3-Digit Summary.

This report format provides the summary of resource for the first three digits of the F4C code. All the resources of facilities within the 3-digit F4C code are summarized.

```
1
                                   ** FACILITY TOTAL RESOURCE BY 3 DIGIT F4C **
                                   **      IN TERMS OF NORMAL DOLLARS        **
Report on : ALL APPROP. - PERM & TEMP
Rep. installation :  *****
                                                                  Date:  08/28/89     Page:   1
```

3 DIGIT F4C	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
610	48929	55668	28712	35451	42190	48929	55668	28712	35451	42190
690	40	40	40	40	40	40	40	40	40	40
711	374087	365145	390935	405321	374087	365145	390935	405321	374087	365145
	423057	420853	419687	440812	416317	414114	446644	434073	409578	407375

Figure 2.4.5.2.5-1 3-digit summary report.

The first line of the heading for each of this report states the name of the report: "FACILITY TOTAL RESOURCE BY 3 DIGIT F4C". The second line of the heading indicates the report is summarized in terms of normal dollars or thousands of dollars. The third line of the heading indicates the type of appropriation the report is summarized on. The fourth line of the heading indicates the Reporting Installation ID the report is summarized for. The date and page number of the report is shown on the right.

The body of the report lists the first three digits of the F4C code, followed by a 10-year resources summarized under the three-digit F4C code. At the bottom of every year there is a total of the resource for all the three-digit F4C for that year.

2.4.5.2.6 3-Digit Summary Report Per Sq Ft.

This report format provides the summary of resources for the first 3 digits of the F4C code. All the resources of facilities within the three-digit F4C code are summarised.

The first line of the heading for each of this report states the name of the report: "FACILITY TOTAL RESOURCE BY 3 DIGIT F4C." The second line of the heading indicates the report is summarised in terms of normal dollars or thousands of dollars. The third line of the heading indicates the type of appropriation the report is summarized by. The fourth line of the heading indicates the Reporting Installation ID the report is summarized for. The date and page number of the report is shown on the right.

The body of the report lists the first three digits of the F4C code followed by the total sq ft of all the facilities under the 3-digit F4C and also the 10-year resources in dollars per sq ft.

1

```
** FACILITY TOTAL RESOURCE BY 3 DIGIT F4C **
**     TOTAL DOLLARS PER SQUARE FOOT       **
**       IN TERMS OF NORMAL DOLLARS        **
```

Report on : ALL APPROP. - PERM & TEMP
Rep. Installation : *****

Date: 04/11/90 Page: 1

3 DIGIT F4C	SQUARE FOOT	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
610	5070	9.6507	10.9800	5.6630	6.9923	8.3215	9.6507	10.9800	5.6630	6.9923	8.3215
690	40	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
711	23010	16.2576	15.8690	16.9898	17.6150	16.2576	15.8690	16.9898	17.6150	16.2576	15.8690

Figure 2.4.5.2.6-1 3-digit summary report per sq ft.

2.4.5.3 URR Comparison Report.

This is a report for comparing the user's URR values against the MRPM generated values for sq ft and total dollars.

```
                    ARMY LEVEL
                URR  COMPARISON  REPORT
                    SELECTION MENU

            |   EDIT URR PARAMETERS
            |   GENERATE URR COMPARISON REPORT


PF10=EXIT
```

Figure 2.4.5.3-1 URR report selection menu.

There are two functions:

1. EDIT URR PARAMETERS - This allows the user to edit the URR sq ft and dollars for the reporting years.

2. GENERATE URR COMPARISON REPORT - This allows the user to generate the comparison report for any reporting installation, and also to select any appropriation ID and type of facilities.

2.4.5.3.1 Edit URR Parameters.

This allows the user to edit the URR sq ft and dollars for the 10 years for each appropriation within each Reporting Installation.

2.4.5.3.1.1 Edit URR Parameters - Reporting Installation List.

This allows the user to choose which Reporting Installation to be edited. Check the Reporting Installation list to choose a Reporting Installation. Type the ID and press the <ENTER> key to Edit URR Parameters - Appropriations.

```
                                ARMY LEVEL
R.INST.ID :             YOUR DATABASE INFORMATION
  R.INST.| REP. INSTALLATION NAME          | MAC | MTD |  TIME  |   DATE  |
  51315    LEE FORT
  ***EA    MIL DISTRICT OF WASHINGTON
  *****    TOTAL ARMY


ALL SCREENS : PF1=TOP PF4=NEXT-PAGE PF10=EXIT PF11=PRINT
URR SCREEN  : PF7=ADD  PF8=DELETE
```

Figure 2.4.5.3.1.1-1 Edit URR parameter - reporting installation list.

2.4.5.3.1.2 Edit URR Parameters - Appropriations List.

This allows the user to choose which appropriation within the Reporting Installation to be edited. (Check the appropriation description in the Appendix.) Then type the ID (a,1,2,3,4,5,6,7,8) and press the <ENTER> key to Edit URR Parameters.

```
REP.INST.ID :   *****        ARMY LEVEL
ID :                 YOUR DATABASE INFORMATION

       | NUM | APPROPRIATION ID
         1    OMA
         2    OMAR
         3    AIF
         4    RDTE
         5    OPA
         6    AFH
         7    OTHER
         8    NG

PF1=TOP PF7=ADD PF8=DELETE PF10=EXIT PF11=PRINT ENTER=CONTINUE
```

Figure 2.4.5.3.1.2-1 Edit URR parameters - appropriation list.

2.4.5.3.1.3 Edit URR Parameters.

This screen allows user to add, edit, delete, and list the URR dollars and sq ft for each AMS code within an appropriation. Note that each parameter is in thousands of dollars or thousands of sq ft.

```
REP.INST.ID :  *****          ARMY LEVEL
APPR. ID :  OMA            FACILITY INFORMATION
                              REPORT SCREEN
                        EDIT URR REPORT PARAMETERS

AMS :  K2600          DESC :  ADMINISTRATION
==============================================================
   YEAR       URR KSF            URR K$
   1989       999                1999
   1990       999                1999
   1991       888                1888
   1992       888                1888
   1993       777                1777
   1994       777                1777
   1995       666                1666
   1996       666                1666
   1997       555                1555
   1998       555                1555

    PF1=TOP  PF2=BOT  PF3=FIND  PF4=NEXT  PF5=EDIT  PF6=PREV  PF7=ADD
    PF8=DEL  PF9=SAVE PF10=EXIT PF11=LIST PF12=DISK
```

Figure 2.4.5.3.1.3-1 Edit URR parameter screen.

2.4.5.3.2 Generate URR Comparison Report.

This screen allows the user to generate a URR report for a specific Reporting Installation.

2.4.5.3.2.1 Generate URR Parameters - Reporting Installation List.

This allows the user to choose the Reporting Installation on which the report will be generated. Check the Reporting Installation list to choose a Reporting Installation, then type the Reporting Installation ID and press <ENTER> to Generate "URR Report - appropriation screen."

```
                              ARMY LEVEL
R.INST.ID :            YOUR DATABASE INFORMATION
  R.INST.| REP. INSTALLATION NAME          | MAC | MTD |   TIME   |   DATE   |
  51315    LEE FORT                         TD    2    14.25.39  09/05/89
  ***EA    MIL DISTRICT OF WASHINGTON       EA    5    14.29.44  09/05/89
  *****    TOTAL ARMY                       **    5    14.36.52  09/05/89



  ALL SCREENS : PF1=TOP PF4=NEXT-PAGE PF10=EXIT PF11=PRINT
  URR SCREEN  : PF7=ADD  PF8=DELETE
```

Figure 2.4.5.3.2.1-1 Generate URR report - reporting installation list.

2.4.5.3.2.2 Generate URR Parameters - Appropriations List.

This allows the user to select the appropriation and type of facilities on which the report is to be generated.

```
                         ARMY LEVEL
                  REPORTING INSTALLATION RANGE FOR
                   URR COMPARISON REPORT


              PLEASE ENTER THE REPORTING INSTALLATION ID
                      FOR URR REPORT


          REPORTING INSTALLATION ID     : ( ***** )


          ENTER APPR. ID (1,2,3,4,5,6,7,8,9,A,B)   :   ( 9 )
            1=OMA 2=OMAR 3=AIF 4=RDTE 5=OPA 6=AFH 7=OTHER 8=NG
            9=ALL APPROP.IDS   A=NON-ACTIVE FAC. B=F4C/CY
          ENTER TYPE OF FACILITIES   (A,B,C)         : ( A )
            A=ALL  B=PERMANENT   C=TEMPORARY

      PF10=EXIT ENTER=SAVE & CONTINUE
```

Figure 2.4.5.3.2.2-1 Generate URR report - appropriation list.

There are three parameters:

1. REPORTING INSTALLATION ID - selects the appropriate reporting installation for the report.

2. APPROPRIATION ID - selects the facility of a certain appropriation ID for generating the report.

3. TYPE OF FACILITIES - selects the types of facilities, e.g., permanent, temporary, or both, for the report.

```
                          ARMY LEVEL
                     FACILITY INFORMATION
                        REPORT SCREEN
                    URR COMPARISON REPORT
==============================================================

   Enter the low  AMS Code :   K0000
   Enter the high AMS Code :   K9999

   Enter the starting year :   1989
   Enter the number of years to report :  10

   Select only 1,2,3 or 4 :  4
     1.RMF        2.ARM
     3.MRT        4.TOTAL

   Enter the filename for the report   :

   Enter the  description for file  :

    PF1=RUN  PF5=EDIT  PF10=EXIT
```

Figure 2.4.5.3.2.2-2 Generate URR report.

There are three parameters:

1. RANGE OF AMS CODE - selects the range of AMS code for the report.

2. STARTING YEAR - selects the starting year for the report.

3. TYPE OF TOTAL - selects the type of total dollars to be displayed on the report. There are four types of totals: RMF, ARM, MRT, and grand total.

2.4.5.3.3 Review URR Report.

This screen allows the user to look at the URR reports on screen.There is a listing of filename and description for the reports generated in the URR report screen. Enter the filename for review and press <ENTER>.

```
FILENAME  :                    ARMY LEVEL
DISK FILENAME :
  | FILENAME | FILE DESCRIPTION                                  |
    TEST1     URR REPORT - TEST 1

ALL SCREENS : PF1=TOP PF4=NEXT PF8=DELETE PF10=EXIT ENTER=PRINT
```

Figure 2.4.5.3.3-1 Review URR reports screen.

2.4.5.3.4 Print URR Report.

This option will print the URR Report on your printer. There is a listing of filename and description for the reports generated in the URR report screen. Enter the filename for review and press <ENTER>.

```
FILENAME  :                    ARMY LEVEL
DISK FILENAME :
  | FILENAME | FILE DESCRIPTION                                  |
    TEST1     URR REPORT - TEST 1

ALL SCREENS : PF1=TOP PF4=NEXT PF8=DELETE PF10=EXIT ENTER=PRINT
```

Figure 2.4.5.3.4-1 Print URR report.

2.4.5.3.5 Generate URR Report on Disk.

This will download the URR report to your PC diskette in ASCII format for other purposes. There is a listing of filenames generated in the URR reports. Each filename has a description of the file. You need to enter the filename from which to be downloaded and the path and filename to which the reports are to be downloaded on the diskette. Enter a different filename for different reports (Note: make sure that there is a diskette in your PC A: drive).

```
FILENAME  :                    ARMY LEVEL
DISK FILENAME :
  | FILENAME | FILE DESCRIPTION                                  |
    TEST1      URR REPORT - TEST 1

ALL SCREENS : PF1=TOP PF4=NEXT PF8=DELETE PF10=EXIT ENTER=PRINT
```

Figure 2.4.5.3.5-1 Generate URR report on disk screen.

2.4.5.3.6 Generate a URR Report.

This function is similar to the Generate URR Comparison Report in section 2.4.5.3.2 except that only the MRPM URR footage and dollar values are generated.

2.4.5.3.7 URR Report Format.

This report provides the comparison between URR and MRPM dollars.

1

AMS URR COMPARISON REPORT
Report on : ALL APPROP. - PERM & TEMP
Organization : 51315 Report Type : TOTAL

Date: 08/24/89 Page:

	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
AMS Code : K2600	ADMINISTRATION									
IFS KSF	2	2	2	2	2	2	2	2	2	2
URR KSF	660	661	662	663	664	665	666	667	668	659
% DIFF	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
MRPM TOTAL K$	35	42	17	23	29	35	42	17	23	29
% DFF	0.53	0.63	0.25	0.34	0.44	0.53	0.63	0.25	0.34	0.44
INST URR K$	6660	6661	6662	6663	6664	6665	6666	6667	6668	6669
MRPM URR K$	11638	13725	5456	7540	9630	11726	13829	5498	7597	9702
% DIFF	174.74	206.05	81.90	113.16	144.51	175.94	207.45	82.46	113.93	145.49
AMS Code : K2910	FAMILY HOUSING									
IFS KSF	9	9	9	9	9	9	9	9	9	9
URR KSF	850	851	852	853	854	855	856	857	858	859
% DIFF	1.06	1.06	1.06	1.06	1.06	1.06	1.05	1.05	1.05	1.05
MRPM TOTAL K$	393	388	404	420	393	388	404	420	393	388
% DFF	4.60	4.54	4.73	4.91	4.60	4.54	4.72	4.91	4.60	4.53
INST URR K$	8541	8543	8545	8547	8549	8551	8553	8555	8557	8559
MRPM URR K$	37013	36555	38105	39658	37187	36727	38284	39844	37361	36899
% DIFF	433.36	427.89	445.93	464.00	434.99	429.50	447.61	465.74	436.62	431.11

Figure 2.4.5.3.7-1 URR report format.

The first line of the report states the title of the report: "AMS URR COMPARISON REPORT." The second line of the report indicates the type of appropriation the report is generated for. The third line of the report indicates the organization for which the report is generated. The date on which report is generated is shown on the right.

The body of the report shows the comparison of URR and MRPM sq ft and dollars. A period of 10 years is presented. The first line in the body of report shows the 10-year period. The second line shows the AMS code and its description. The third line indicates the sq ft from the IFS database. The fourth line indicates the sq ft entered in URR. The fifth line indicates the percent comparison between the IFS and URR sq ft (IFS/URR * 100). The sixth line shows the MRPM predicted dollar amount based on the IFS sq ft. The seventh line shows the percent comparison of the URR and MRPM dollars (MRPM K$/URR K$ * 100). The eighth line shows the URR dollars edited by the user. The ninth line shows the MRPM K$. The last line shows the percent difference (MRPM URR K$/INST URR K$ * 100).

2.4.6 Model Facility from IFS Database.

MRPM will download basic facility information from HQ-IFS Assets module database and store it in the general facility information table. Refer to the appropriate section among 2.4.6.1, 2.4.6.2, 2.4.6.3, based on your user priority level. (NOTE: If you are modelling using the HQ-IFS Assets Database when logged on to Enter Army System on section 2.1.1 , page 2-1, then refer to Chapter 4 for supplemental instructions).

```
                    ARMY LEVEL
                 FACILITY INFORMATION
                    IFS  MODELLING
                    SELECTION MENU

|    MODEL BY APPROPRIATIONS/F4C/CONSTRUCTION YEAR

|    MODEL BY F4C/CONSTRUCTION YEAR
```

Figure 2.4.6-1 Modelling method selection menu.

There are two functions:

1. MODELLING BY Appropriation/F4C/Construction Year - The system downloads the general facilities information from HQ-IFS Assets database according to the appropriation ID, such as OMA, OMAR, (refer to the Appendix for appropriation descriptions). For the facilities within each appropriation ID, there are permanent and temporary facilities. Each facility ID is divided into four parts. The leftmost character indicates the appropriation ID, the second to sixth characters indicate the F4C code, the seventh character indicates construction year century code, and the last two characters indicate the year; e.g., A71111C81, where A indicates OMA, 7111 is the F4C code, C indicates 20th century, and 81 indicates 1981. The appropriation codes are summarized in the Appendix (note : appropriation ID: 'z' is for the nonactive facilities). When using "9=all appropriations" options only the facilities of OMA, OMAR, AIF, RDTE, OPA, AFH, OMNG, and OTHER are modelled. Use 'z' for modelling the nonactive facilities.

2. MODELLING BY F4C/Construction Year - The system downloads the general facilities information summarized by F4C and construction year. One facility group is formed for each F4C and construction year combination.

(Note: This user manual describes the Modelling by Account only; Modelling by F4C/Construction Year is similar.)

2.4.6.1 Reporting Installation and Reporting Installation Range Level. (RI, RIR)

You can model the complete reporting installation, a range of installations (IFS installation), or a specific installation. You can model the total reporting installation by forming summary facility groups by appropriation.

You may model each subinstallation individually by either individual facilities or summary by appropriation. The total answers by both methods will be identical, but, the time to perform analysis will be at least 10 times greater. If done by individual facilities, the storage required is less.

The general information can be created in three ways:

1. By appropriation, F4C, and construction year stored under each reporting installation
2. By appropriation, F4C, and construction year stored under each installation
3. By individual facility stored under each installation.

```
                    REPORT INSTALLATION
                   FACILITY INFORMATION
                   MODEL FACILITY : FROM IFS DATABASE

APPROPRIATION ID  : (   )
  1=OMA 2=OMAR 3=AIF 4=RDTE 5=OPA 6=AFH 7=OTHER 8=NG
  9=ALL A=NON-ACTIVE

INSTALLATION RANGE :
A. ENTER STARTING INSTALLATION NUMBER OR ALL : (       )
B. ENTER ENDING   INSTALLATION NUMBER        : (       )

MODELLING METHOD (ENTER A,B,C) : (   )
A. BY F4C & CONSTRUCTION YEAR STORED UNDER REPORTING INSTALLATION
B. BY F4C & CONSTRUCTION YEAR STORED UNDER INSTALLATION
C. BY INDIVIDUAL FACILITY STORED UNDER INSTALLATION

EDIT FACILITY GENERAL INFORMATION DEFAULT VALUES (Y/N) : (   )

>    PF1=RUN AS IT  PF10=EXIT   PF13=PRINT ERROR
-------------------MESSAGES--------------------------------
```

Figure 2.4.6.1-1 Model facility from IFS database - RI, RIR.

2.4.6.2 MACOM and MACOM Range Level. (M, MR)

This screen allows you to model for a specified range of reporting installation under different appropriation ID. There are four ways the general information can be created:

1. By appropriation, F4C, and construction year stored under MACOM ID, for example, Corps of Engineer (MACOM ID: ***AA)

2. By appropriation, F4C, and construction year stored under reporting installation

3. By appropriation, F4C, and construction year stored under installation

4. By individual facility stored under installation.

```
                    SPECIFIC MACOM LEVEL
              REPORTING INSTALLATION INFORMATION
                   MODEL FACILITY : FROM IFS DATABASE

APPROPRIATION ID  : (   )
  1=OMA 2=OMAR 3=AIF 4=RDTE 5=OPA 6=AFH 7=OTHER 8=NG
  9=ALL A=NON-ACTIVE

INSTALLATION RANGE :
A. ENTER STARTING REPORTING INSTALLATION NUMBER OR ALL : (       )
B. ENTER ENDING  REPORTING  INSTALLATION NUMBER        : (       )

MODELLING METHOD (ENTER A,B,C,OR D) : (   )
A. BY F4C & CONSTRUCTION YEAR STORED UNDER MACOM ID : (***7)
B. BY F4C & CONSTRUCTION YEAR STORED UNDER REPORTING INSTALLATION
C. BY F4C & CONSTRUCTION YEAR STORED UNDER INSTALLATION
D. BY INDIVIDUAL FACILITY STORED UNDER INSTALLATION

EDIT FACILITY GENERAL INFORMATION DEFAULT VALUES (Y/N) : (   )
-------------------------------------------------------------
>    PF1=RUN AS IT  PF10=EXIT  PF13=PRINT ERROR

-------------------MESSAGES-----------------------------------
```

Figure 2.4.6.2-1 Model facility from IFS database - M, MR.

2.4.6.3 Army Level. (A)

2.4.6.3.1 MACOM, Reporting Installation, Installation, and F4C Range Specification.

This screen allows you to enter any combination of range of MACOM IDs, reporting installation IDs, installation IDs, and F4C ID and appropriation ID, for modelling the database.

```
                    ARMY LEVEL
MACOMS, REPORTING INSTALLATIONS, INSTALLATIONS
     RANGE SPECIFICATION FOR IFS MODELLING

 PLEASE ENTER THE APPROPRIATE RANGE THEN HIT ENTER

LOW MACOM ID (OR ALL)                    :  (     )
HIGH MACOM ID                            :  (     )

LOW REPORTING INSTALLATION ID (OR ALL) :  (       )
HIGH REPORTING INSTALLATION ID           :  (       )

LOW INSTALLATION ID OR (ALL)             :  (       )
HIGH INSTALLATION ID                     :  (       )

LOW F4C                                  :  (         )
HIGH F4C                                 :  (         )

APPROPRIATION ID                         :  (   )
  1=OMA 2=OMAR 3=AIF 4=RDTE 5=OPA 6=AFH 7=OTHER 8=NG
  9=ALL A=NON-ACTIVE
PF10=EXIT
```

Figure 2.4.6.3.1-1 MACOM, reporting installation, installation, and F4C range specification - A.

(Note: When using modelling by F4C/construction year, appropriation ID is not needed. Appropriation ID is only needed when using modelling by appropriation).

2.4.6.3.2 Modelling Facility - From IFS Database. (A)

```
                    ARMY LEVEL
              MODELLING METHOD SPECIFICATION
                   FROM IFS DATABASE

MODELLING METHOD (ENTER A,B,C,D,OR E) : (   )

A. BY F4C & CONSTRUCTION YEAR STORED UNDER ARMY  ID : (*****)
B. BY F4C & CONSTRUCTION YEAR STORED UNDER MACOM ID : (***?)
C. BY F4C & CONSTRUCTION YEAR STORED UNDER REPORTING INSTALLATION
D. BY F4C & CONSTRUCTION YEAR STORED UNDER INSTALLATION
E. BY INDIVIDUAL FACILITY STORED UNDER INSTALLATION

EDIT FACILITY GENERAL INFORMATION DEFAULT VALUES (Y/N) : (   )


------------------------------------------------------------
>    PF1=RUN AS IT  PF10=EXIT  PF13=PRINT ERROR

-------------------MESSAGES-----------------------------------
```

Figure 2.4.6.3.2-1 Modelling facility selection screen - A.

There are five ways the general information can be created:

1. By appropriation, F4C, and construction year stored under Army ID: (*****)
2. By appropriation, F4C, and construction year stored under MACOM ID: (***??)
3. By appropriation, F4C, and construction year stored under reporting installation
4. By appropriation, F4C, and construction year stored under installation
5. By individual facility stored under installation.

2.4.6.4 Editing Default Values.

There are default values preset for modelling. To edit these values, enter "Y" for the EDIT FACILITY GENERAL INFORMATION DEFAULT VALUES (Y/N).

```
                    ARMY LEVEL
                FACILITY INFORMATION
                   MODEL FACILITY
                  FROM IFS DATABASE

DEFAULT VALUES
1.  SUBINSTALLATION:   01
2.  AREA:   01
3.  NUMBER IN FG:        1
4.  TRAVEL ZONE:    1
5.  WORK PERFORMANCE:  5
6.  SPECIAL CONDITION MULTIPLIER:   01
7.  FUNDING PROFILE   :       01



PF1 = EDIT   PF10 = EXIT TO PREVIOUS SCREEN
```

Figure 2.4.6.4-1 Editing default values for IFS modelling.

2.4.6.5 Messages from IFS Modelling Programs.

When you run the modelling program, you will see several messages at the bottom line of the screen, e.g., CURRENT FAC ID = A4111881 F4C = 4111800 NO. OF FAC = 480. This message lets you know the modelling is in progress. The messages changes for every 40 facilities modelled. Facility ID indicates every 40th facility ID, F4C is the facility function code, and no. of fac. indicates the total number of facility models. When modelling is done, you can press F13 to print the time spent on modelling.

2.4.7 Review Current Database.

This will display a listing of reporting installations in MRPM database currently accessible according to the users priority level.

```
                    ARMY LEVEL
              YOUR DATABASE INFORMATION

R.INST.| REP. INSTALLATION NAME          | MAC | MTD |  TIME   |  DATE  |
51315    LEE FORT                         TD    2    14.25.39  09/05/89
***EA    MIL DISTRICT OF WASHINGTON       EA    5    14.29.44  09/05/89
*****    TOTAL ARMY                       **    5    14.36.52  09/05/89

PF1=TOP  PF4=NEXT  PF10=EXIT PF11=PRINT
```

Figure 2.4.7-1 Your database information.

Reporting installation IDs and names are displayed on first and second columns. The major command for the reporting installation is displayed on this column.

3. PROCEDURES FOR LEARNING AND USING THE MRPM SYSTEM.

3.1 Introduction.

This chapter presents the functions from those used most frequently to those used least frequently. This presentation allows you to learn just enough to do your job and stop. You can come back at any time and learn the remaining functions. With this learning method, you will not be exposed to the basic information tables until the end of the chapter. You may not fully understand some of the material used until you have completed the chapter.

This chapter guides you through the MRPM system and systematically allows you to work within each data screen. It is suggested that you:

1. Remove this chapter from your user's manual so you can read the installation functions (Chapter 2) and this chapter simultaneously.

2. Read the text as follows:

   a. Read the heading of a section in this chapter.

   b. Find the reference given to Chapter 2.

   c. Read the text in Chapter 2 first. (This will describe how each data item is used.)

   d. Read the text in this chapter next. This text is presented in two parts. The first part presents text explanation of the work to be performed during the learn exercise. The second part provides a process to accomplish the work using the system. Each command is given in the commands section. You can enter the commands as given to learn how to operate the system.

   e. Try the commands to learn how the system works.

This chapter is divided into several sections:

1. Introduction
2. Individual Reporting Installation Level
3. Individual MACOM Level
4. Army Level.

Finish reading this introduction, the first two paragraphs of Chapter 2, and then select the appropriate section for your organization (Individual Reporting Installation, Individual MACOM, Army).

For the purpose of learning the system, assume that you are always a Headquarters Army level user (User ID: MPMLEARN).

3.1.1 Notes for Basic Training.

Important notes for users before starting basic training are:

1. Press only the designated PF keys at the bottom of the screen. (PF keys are equivalent to function keys on your PC keyboard.)

2. System problems might happen due to the different systems and software interactions, such as SIMWARE, VM-370, CMS, DOS, NOMAD2, and the physical condition of the telephone lines.

Symptom: A system problem has occurred when you see the following message at the bottom of screen for a long time. This condition indicates that transmission of data is blocked.

"com..."

Possible remedy: Sometimes the problem can be resolved by pressing <ALT> key once then <CTRL><PgUp> keys together; if this does not work, follow the directions in Note 3:

3. To restart the system:

a. (Press SCROLL LOCK key a few times until the work "CP READ" appears at the bottom right of screen in CMS environment).

b. Type: logoff

c. Press <ENTER> (wait a while)

d. Press <ENTER>

e. Type: logoff

f. Press <ENTER>

g. Press <Alt><G> together

h. Press <Alt><Q> together (you will see subdirectory c:/simpc)

i. Follow the standard directions for entering the MRPM system.

```
*************************************************************
PLEASE ENTER YOUR CHOICE (1 OR 2) :

1. Using Current Learn Database
2. Create A New Learn Database
-------------------------------------------------------------
TYPE 1 OR 2 , THEN PRESS <ENTER>
*************************************************************
```

Figure 3.1.1-1 Database option for learning.

Important Note: When you log back on to the main frame, if you don't see the above CMS screen, do the following commands:

a. Type: IPL CMSL

b. Press <ENTER> (You will see the CMS screen again; then proceed to enter the MRPM system.

c. If '**********' appears in a report or on any screen, the field is too small for the result. Call the support center so it can be changed.

d. When <Alt><F> is pressed to log off and something like the following appears on screen (this seldom happens):

"Free
AA90
.
.
.
BB88"

Then do the following commands:

a. Type: SIMPC
b. Press <ENTER> (then wait for reloading of SIMWARE)
c. Press <END>
d. Press <Ctrl><PgUp> (and everything will be normal again)

e. Press <Alt><F> (again for logoff screen)
f. Press PF4 (to logoff)

Be sure to call your support center to fix this problem.

6. If the cursor is not in the right place on the MRPM screen; i.e., not sitting on the fields, press <TAB> key one time to position the cursor correctly. This is caused by the delaying of the transmission of data between the PC and mainframe.

7. If "NO CARRIER" suddenly appears because of unexpected disturbance of your telephone line, do the following:

Press <Alt><G> then <Alt><Q> to get back to DOS prompt. You can then restart by typing "HQIFS" then pressing <ENTER> to get the Maintenance Resource Prediction Model Directory Screen. Logon is indicated in Section 3.2.1. If you don't see the CMS logon screen (refer to Figure 3.1.1-1) but this message appears:

"RECOMMENDED AT <TIME> <DAY> <DATE>," then do as described in later part of Note 3.

8. When you log on the mainframes, if the banner "PRC" is in the scrolling line mode, you have to logoff and log back on.

9. If "MORE....." appears at the screen base, press <Ctrl><HOME> keys to go to next page.

10. Don't leave your terminal idle for more than 15 minutes when it is not processing any data; e.g., resource calculation, modelling, or generating report, or the system operator will log you off.

11. If the messages "error 18: retransmitting data to the host," keep appearing at the bottom screen, this means the host computer is not responding to your request. It may be because of time slicing in a multiuser environment. Please don't press any key. Wait until the response is back. However, if the response is not back within a short period of time, SIMPC will set the error detection off. In this case you will see garbage characters being transferred. Do as described in Note 2 to remedy this situation.

12. (IMPORTANT) The following training session is based on the Learn Database, which is a simulated version of the Real HQ-IFS Assets Database. The Learn Database is a very small database compared to the HQ-IFS Assets Database. The computer will spend more time when modelling, calculating, and generating reports from the HQ-IFS Assets Database.

3.2 Individual Reporting Installation Level.

3.2.1 Entering the MRPM System. (see Section 2.1, page 2-1)

The first step in entering the MRPM system is to connect your PC to the mainframe computer and enter as User ID: MPMLEARN. Then perform the following commands:

1. Move to subdirectory c:\SIMPC
2. Type: HQIFS

3. Press <ENTER> (For Logon Screen Maintenance Resource Prediction Model Directory-[MRPM Directory) (see Section 2.1.1, page 2-1)

```
Maintenance Resource Prediction Model - User Directory

Choose one of the following:

PF1 = Enter Army System
PF2 = Enter Learn Database
PF3 = Logoff System.
```

Figure 3.2.1-1 Maintenance resource prediction model directory.

4. Press PF2 (to log on to MPMLEARN user account)

5. Note: You will see a series of messages; don't press any key. Wait until you see the following screen. (see Section 2.1.2.1, page 2-2)

```
*************************************************************
PLEASE ENTER YOUR CHOICE (1 OR 2) :

1. Using Current Learn Database
2. Create A New Learn Database
-------------------------------------------------------------
TYPE 1 OR 2 , THEN PRESS <ENTER>
*************************************************************
```

Figure 3.2.1-2 Database option for learning.

Select the appropriate database for learning. If you have previously edited the learning database and kept the updating right then enter choice "1". If you want to start all over again using the initial database, then enter choice "2" using the following commands:

6. Type: 2 (to create a new learn database)
7. Press <ENTER> (to view the MRPM CMS screen).

Note: A series of files will be copied to the current disk. Please wait until MRPM CMS screen appears (Figure 3.2.1-3). This will take approximately 2 minutes (see section 2.1.2.2, page 2-3).

```
*********************************************************
MRPM CMS MAIN MENU
---------------------------------------------------------
SELECTIONS :

M - TO ENTER THE MRPM SYSTEM
D - QUERY DISK STORAGE
Q - QUIT THE MENU

---------------------------------------------------------
TYPE M,D, OR Q PRESS <ENTER>
*********************************************************
```

Figure 3.2.1-3 MRPM CMS main menu.

You are now in the mainframe CMS environment. Enter the MRPM system by using the following commands:

8. Type: M
9. Press <ENTER> (to enter the MRPM system).

(Note: There will be a series of messages; do not press any key. Wait until the following menu appears.)

```
                    MAINTENANCE PREDICTION MODEL

                        USERS LOGIN MENU


        MRPM LOGIN     :
        MRPM PASSWORD  :


        CURRENT USERS STATUS :
        1. UPDATE  2. READ ONLY

        DO YOU WANT TO GIVE UP YOU UPDATING RIGHT (Y/N)  :


PRESS PF10 TO EXIT SYSTEM
```

Figure 3.2.1-4 MRPM login screen.

You are now in the MRPM system (see Section 2.1.2.3, page 2-4).

Before you can enter the Armywide database in the MRPM system, the system administrator is required to enter the MRPM login and password. The login LEARN and password LEARN are for learning users only, and are entered by the following commands.

10. Type: LEARN (for MRPM Login)
11. Press <ENTER>
12. Type: LEARN (for password. Password will not print on the screen)
13. Press <ENTER>
14. Type: 1 (for updating right for current users status)
15. Press <ENTER> (to view User Priority Main Menu).

```
                                ARMY LEVEL
UPDATING MODE           MAINTENANCE PREDICTION MODEL

                          ARMY USER PRIORITY MENU

              MRPM USER PRIORITY LEVELS :
                  | TOTAL ARMY LEVEL
                  | MACOM RANGE LEVEL
                  | SPECIFIC MACOM LEVEL
                  | REPORTING INSTALLATION RANGE LEVEL
                  | REPORTING INSTALLATION LEVEL

              MISCELLANEOUS FUNCTIONS :
                  | QUIT THE SYSTEM
                  | REVIEW WHOLE ARMY DATABASE
                  | REORGANIZE THE CURRENT MRPM DATABASE
```

Figure 3.2.1-5 User priority main menu.

(Note: The operating mode is shown on the top left corner or the following screens. It will be either "READING MODE," "UPDATING MODE." "READING MODE" indicates that the user is only allowed to view and generate reports from the current database. "UPDATING MODE" indicates that the user is allowed to update the database in addition to viewing and generating reports. The system allows only one user to update and many users to view the database.)

Use the system at the specific Reporting Installation Level for Fort Lee, VA (Inst. No. 51315), which is a TRADOC (TD) installation. (See Section 2.1.3, page 2-5.)

16. (Press tab key four times.) (to highlight Reporting Installation Level)
17. Press <ENTER> (to use the system at Reporting Installation Level).

```
LOW  MACOM :                    ARMY LEVEL
HIGH MACOM :         YOUR DATABASE INFORMATION

  MACOM  | MACOM NAME
  AA       CORPS OF ENGINEER
  EA       MIL DISTRICT OF WASHINTON
  HA       NATIONAL SECURITY AGENCY
  TD       TRNING & DOCTRINE COMMAND
  UA       INFORMATION SYS COMMAND
  VA       BALLISTIC MISSLE DEF SYS CMD

     PF1=TOP  PF2=LAST  PF4=NEXT  PF6=PREV  PF10=EXIT PF11=PRINT
```

Figure 3.2.1-6 MACOM list.

The system will produce a complete list of MACOMs on the screen for your review (see section 2.1.3.1, page 2-6). Select Training and Doctrine Command (TRADOC): TD. Write down this ID for later use.

18. Type: TD (the MACOM ID)
19. Press <ENTER>

```
LOW  ID :                    ARMY LEVEL
HIGH ID :            YOUR DATABASE INFORMATION

  REP.INS| REP. INST. NAME
  01252    RUCKER FORT                        TD
  21405    KNOX FORT                          TD
  29995    WOOD FORT LEONARD                  TD
  36325    HAMILTON FORT                      TD
  45455    JACKSON FORT                       TD
  51315    LEE FORT                           TD
```

Figure 3.2.1-7 Reporting installation list.

The system shows some of the reporting installations under the TRADOC MACOM (see section 2.1.3.2, page 2-7). Review the list to find Fort Lee (LEE FORT): 51315. Write down this ID for later use.

20. Type: 51315 (for Fort Lee, VA)
21. Press <ENTER> (to view Database Storage Selection screen)

```
UPDATING MODE            REPORT INSTALLATION
                          DATABASE OPTIONS:


SELECTIONS:

1.DELETE ALL THE FACILITIES CURRENT IN THE DATABASE
2.DELETE ONLY THE RESOURCE SUMMARY FILES
3.CONTINUE TO MRPM MAIN MENU

PLEASE ENTER 1,2, OR 3 --> (   )



PF1 = REVIEW CURRENT DATABASE, PF10=EXIT

--------------------MESSAGES----------------------------------
```

Figure 3.2.1-8 Database storage selection.

You have three selections shown on the screen (see section 2.1.4, page 2-8). In addition, you can review the current database at this level (PF1). To view the MRPM main menu, follow these commands:

22. Type: 3 (continue to MRPM main menu)
23. Press <ENTER> (system will display the Corps of Engineers logo).

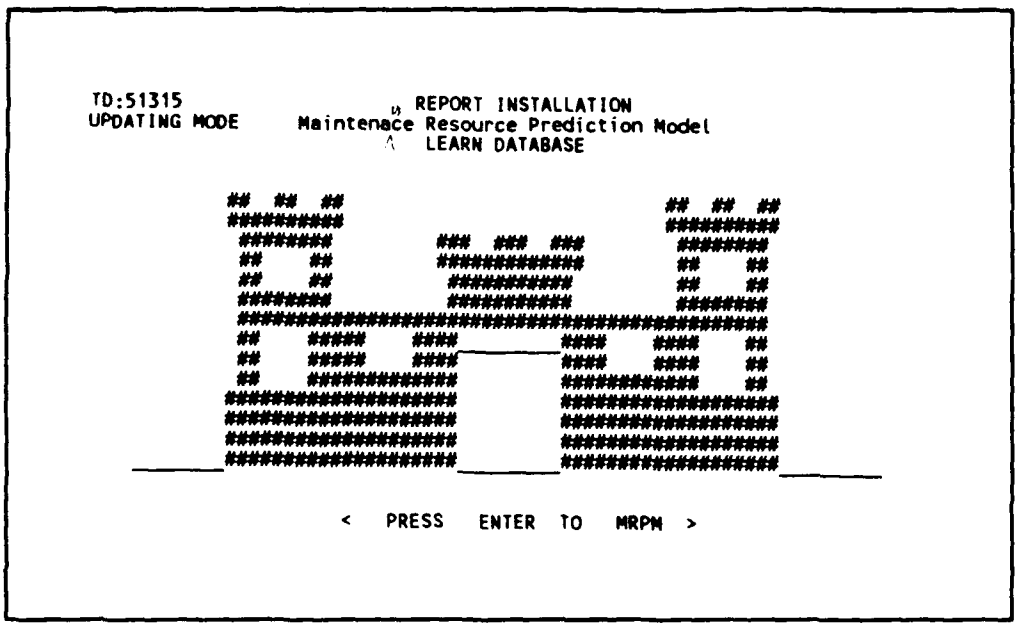

Figure 3.2.1-9 MRPM banner.

24. Press <ENTER> (to Maintenance Prediction Model)

```
TD:51315                    REPORT INSTALLATION
UPDATING MODE          MAINTENANCE PREDICTION MODEL

                                MAIN MENU


                        |   BASIC INFORMATION
                        |   FACILITY INFORMATION
                        |   MRPM BATCH PROCESSING MODE
                        |   REVIEW CURRENT DATABASE



PF10=EXIT
```

Figure 3.2.1-10 Maintenance prediction model main menu.

The title "Report Installation" indicates you are at the correct level; TD:51315 indicates you have selected TRADOC (TD), and Fort Lee (51315) (see Section 2.2, page 2-19).

3.2.2 Facility Information. (see Section 2.4.1, page 2-28)

To model facilities by copying data from the HQ-IFS assets database, select the FACILITY INFORMATION option and then MODEL FACILITIES option by using the following commands.

1. Tab over once (to Facility Information)
2. Press <ENTER> (to Facility Information Selection Menu)

```
ID:51315                    REPORT INSTALLATION
UPDATING MODE             FACILITY INFORMATION
                               SELECTION MENU


                        RESOURCE CALCULATION
                        DISPLAY RESOURCES - TABLE FORM
                        GENERAL INFORMATION
                        FACILITY REPORTS
                        MODEL FACILITY
                        REVIEW CURRENT DATABASE


PRESS PF10 TO RETURN TO PREVIOUS MENU
```

Figure 3.2.2-1 Facility information selection menu.

3. Tab over four times (to Model Facility option)
4. Press <ENTER>

3.2.2.1 Model Facility. (see Section 2.4.6, page 2-61, section 2.4.6.1, page 2-62)

Model facilities by appropriation, current use, and construction year for all facilities in all installations and store all data under the Reporting Installation ID.

Store this information under the MRPM Subinstallation ID: 01234 and Area ID: 02. For this learning exercise (at the Reporting Installation Level), assume that there are twice as many facilities as in the current IFS database.

```
REPORT INSTALLATION
FACILITY INFORMATION
   IFS  MODELLING
   SELECTION MENU

|    MODEL BY APPROPRIATIONS/F4C/CONSTRUCTION YEAR

|    MODEL BY F4C/CONSTRUCTION YEAR
```

Figure 3.2.2.1-1 Modelling method selection menu.

From this menu, enter the following commands:

1. Press <ENTER> (to Modelling by Appropriation)

```
                REPORT INSTALLATION
               FACILITY INFORMATION
               MODEL FACILITY : FROM IFS DATABASE

APPROPRIATION ID  : (   )
  1=OMA 2=OMAR 3=AIF 4=RDTE 5=OPA 6=AFH 7=OTHER 8=NG
  9=ALL A=NON-ACTIVE

INSTALLATION RANGE :
A. ENTER STARTING INSTALLATION NUMBER OR ALL : (       )
B. ENTER ENDING   INSTALLATION NUMBER        : (       )

MODELLING METHOD (ENTER A,B,C) : (   )
A. BY F4C & CONSTRUCTION YEAR STORED UNDER REPORTING INSTALLATION
B. BY F4C & CONSTRUCTION YEAR STORED UNDER INSTALLATION
C. BY INDIVIDUAL FACILITY STORED UNDER INSTALLATION

EDIT FACILITY GENERAL INFORMATION DEFAULT VALUES (Y/N) : (   )

>    PF1=RUN AS IT  PF10=EXIT   PF13=PRINT ERROR
-------------------MESSAGES-----------------------------------
```

Figure 3.2.2.1-2 Model facility from IFS database.

To model all installations under this Reporting Installation by all appropriation IDs and store under the Reporting Installation ID, continue with the following commands:

2. Type: 9 (for all appropriation IDs)
3. Type: ALL (for Installation Range)
4. Press tab key two times (to modelling method)
5. Type: A (for model by F4C and construction year stored under reporting installation)
6. Type: Y (for editing the default value)
7. Press <ENTER>

(Note:To edit the default value for modelling, see Section 2.4.6.4, page 2-65.)

```
                    REPORT INSTALLATION
                    FACILITY INFORMATION
                       MODEL FACILITY
                      FROM IFS DATABASE

DEFAULT VALUES
1.  SUBINSTALLATION:   01
2.  AREA:   01
3.  NUMBER IN FG:        1
4.  TRAVEL ZONE:    1
5.  WORK PERFORMANCE:  5
6.  SPECIAL CONDITION MULTIPLIER:   01
7.  FUNDING PROFILE   :       01




PF1 = EDIT   PF10 = EXIT TO PREVIOUS SCREEN
```

Figure 3.2.2.1-3 Model facility from IFS database - edit default.

These are the default values for modelling. Edit the values as defined above by using the following commands:

8. Press PF1 (Edit)
9. Type: 01234 (for Subinstallation)
10. Type: 02 (for area)
11. Type: 2 and (6 space bars) (for number in FG)
12. Press <ENTER> (to save default values)

```
                    REPORT INSTALLATION
                    FACILITY INFORMATION
                       MODEL FACILITY
                      FROM IFS DATABASE

DEFAULT VALUES
1.  SUBINSTALLATION:   01234
2.  AREA:   02
3.  NUMBER IN FG:        2
4.  TRAVEL ZONE:    1
5.  WORK PERFORMANCE:  5    INHOUSE
6.  SPECIAL CONDITION MULTIPLIER:   01
7.  FUNDING PROFILE   :       01
```

Figure 3.2.2.1-4 Model facility from IFS - edit default (saved).

13. Press PF10 (back to Model Facility screen)

```
                    REPORT INSTALLATION
                   FACILITY INFORMATION
                   MODEL FACILITY : FROM IFS DATABASE

APPROPRIATION ID  : ( 9 )
  1=OMA 2=OMAR 3=AIF 4=RDTE 5=OPA 6=AFH 7=OTHER 8=NG
  9=ALL A=NON-ACTIVE

INSTALLATION RANGE :
A. ENTER STARTING INSTALLATION NUMBER OR ALL : ( ALL    )
B. ENTER ENDING   INSTALLATION NUMBER        : (        )

MODELLING METHOD (ENTER A,B,C) : ( A )
A. BY F4C & CONSTRUCTION YEAR STORED UNDER REPORTING INSTALLATION
B. BY F4C & CONSTRUCTION YEAR STORED UNDER INSTALLATION
C. BY INDIVIDUAL FACILITY STORED UNDER INSTALLATION

EDIT FACILITY GENERAL INFORMATION DEFAULT VALUES (Y/N) : ( Y )

>    PF1=RUN AS IT  PF10=EXIT   PF13=PRINT ERROR
--------------------MESSAGES-----------------------------------
```

Figure 3.2.2.1-5 Model facility from IFS database.

Now you are ready to form models by combining the individual facility information in the HQ-IFS Assets database into the facility group summary form that you have just defined. Begin this process with the following commands:

14. Press PF1 (to model facility with the new default values)

(Note: You will see several messages at the bottom line of screen).

When modelling is finished, the bottom of screen will show this message:

" IFS F4C YEAR MODELLING FINISHED! NO. OF FACILITIES --> 11 "

Review the errors produced during modelling by pressing PF13. Exit (PF10) and review the information for the facilities you have modelled with the following commands:

15. Press PF13 or <shift><F3> (to print errors)

```
                MRPM ERROR FILE                          08/21/89
*************************************************************
* Desciptions:  i) FUNCTION indicates which MRPM functions    *
*              ii) PROGRAM indicates which program.           *
*             iii) LINE    indicates which line.              *
*              iv) ERROR   indicates the error message.       *
*               v) REP. INST. indicates which  id.            *
*=========================================================*
*          LISTING OF ERRORS                                  *
*************************************************************
=============================================================
START MODELLING : 11.47.08
FINISH MODELLING : 11.47.21
```

Figure 3.2.2.1-6 MRPM - modelling error files.

(Notice that no errors were listed between the start and finish lines.)

16. Press PF10 (to IFS Modelling Method Selection Menu)
17. Press PF10 (to Facility Information Selection Menu)

```
TD:51315                 REPORT INSTALLATION
                        FACILITY INFORMATION
                            SELECTION MENU

                     ^    RESOURCE CALCULATION
                     ^    DISPLAY RESOURCES - TABLE FORM
                     ^    GENERAL INFORMATION
                     ^    FACILITY REPORTS
                     ^    MODEL FACILITY
                     ^    REVIEW CURRENT DATABASE

PRESS PF10 TO RETURN TO PREVIOUS MENU

  ----------------MESSAGES----------------------------------
```

Figure 3.2.2.1-7 Facility information selection menu.

Review the current database to see what has been modelled by using the following commands:

18. Tab over five times (to Review Current Database)
19. Press <ENTER>

```
                          REPORT INSTALLATION
                      YOUR DATABASE INFORMATION
R.INST.| REP. INSTALLATION NAME        | MAC | MTD |  TIME  |   DATE  |
51315    LEE FORT                        TD    5

PF1=TOP  PF4=NEXT  PF10=EXIT PF11=PRINT
```

Figure 3.2.2.1-8 Current database information.

This is your view of the current database at your current user level (see Section 2.4.7, page 2-65).

Go back to the Facility Information Screen Menu again so that you can further examine the general information for the facilities you have modelled by the following commands:

20. Press PF10 (To Facility Information Selection Menu)

```
TD:51315                REPORT INSTALLATION
                      FACILITY INFORMATION
                          SELECTION MENU

                      RESOURCE CALCULATION
                      DISPLAY RESOURCES - TABLE FORM
                      GENERAL INFORMATION
                      FACILITY REPORTS
                      MODEL FACILITY
                      REVIEW CURRENT DATABASE

PRESS PF10 TO RETURN TO PREVIOUS MENU
```

Figure 3.2.2.1-9 Facility information selection menu.

21. Tab over twice (to General Information)
22. Press <ENTER> (to General Information screen)

3.2.2.2 General Information. (see Section 2.4.4, page 2-35)

You can examine the information of the facility modelled. The following screen shows the information of the first facility you have just modelled.

```
                    REPORT INSTALLATION
                    FACILITY INFORMATION
                GENERAL FACILITY INFORMATION
REPORT INSTALLATION ID :  51315    ID NAME:  LEE FORT
MACOM ID :  TD
        INSTALLATION    :   01234
        AREA:               02      NO DESCRIPTION
        FACILITY ID:        A71111A00 (      1 BLD FACILITIES          )
        F4C CODE:           7111100         FH GEN
        NUMBER IN F/G             2
        TRAVEL ZONE:         1
        SQUARE FEET:                1000
        CONSTRUCTION YEAR:    1700
        W/P METHOD INDEX:     5       NO DESCRIPTION
        SPECIAL CONDITION MULTIPLIER ID:  01  DEFAULT SP COND MODIF
        SCHEDULED DISPOSAL DATE:
        LAST CHANGE DATE:
        LAST CALCULATION DATE:
        FACILITY FUNDING PROFILE:  01
        CALCULATION MODELING ID (1-4): 2  UNIT COST BY AGE
        ACCOUNTING ID :  OMA    Permanent
    PF1=TOP  PF2=BOT  PF3=FIND   PF4=NEXT   PF5=EDIT  PF6=PREV  PF7=ADD
PF8=DEL  PF9=SAVE PF10=EXIT  PF11=LIST  PF12=DISK PF14=PRINT
```

Figure 3.2.2.2-1 General facility information.

You can review the facilities with this screen. Press function keys PF4, PF4,PF4, PF6, PF6, PF2, PF6, PF1 in sequence to study how the function keys work. To find a facility, you can type any facility ID. If it is not found, its neighboring facility will be displayed. To find a facility, use the following commands:

1. Press PF3 (to get into the find mode)
2. Type: 01234 (for Subinstallation)
3. Type: 02 (for Area)
4. Type: A71111C00 (for facility ID)
5. Press PF9 (to find facility)

```
                        REPORT INSTALLATION
                        FACILITY INFORMATION
                    GENERAL FACILITY INFORMATION
REPORT INSTALLATION ID :  51315    ID NAME:  LEE FORT
MACOM ID :  TD
        INSTALLATION    :   01234
        AREA:               02      NO DESCRIPTION
        FACILITY ID:        A71111C00 (      1 BLD FACILITIES          )
        F4C CODE:           7111100         FH GEN
        NUMBER IN F/G            2
        TRAVEL ZONE:         1
        SQUARE FEET:               1000
        CONSTRUCTION YEAR:   1900
        W/P METHOD INDEX:    5
        SPECIAL CONDITION MULTIPLIER ID:  01  DEFAULT SP COND MODIF
        SCHEDULED DISPOSAL DATE:
        LAST CHANGE DATE:
        LAST CALCULATION DATE:
        FACILITY FUNDING PROFILE:  01
        CALCULATION MODELING ID (1-4): 2  UNIT COST BY AGE
        ACCOUNTING ID :  OMA    Permenant
    PF1=TOP  PF2=BOT  PF3=FIND   PF4=NEXT   PF5=EDIT  PF6=PREV  PF7=ADD
PF8=DEL  PF9=SAVE PF10=EXIT  PF11=LIST  PF12=DISK PF14=PRINT
```

Figure 3.2.2.2-2 General facility information - find facility.

Press PF1, PF2, PF6, PF6, PF4, PF1 in sequence to study how the function keys work.

You have just learned all the functions you need to know to do your daily work. You can end this General Information session and go on to 3.2.2.3 "Resource Calculation" by pressing PF10 or continue with learning PF5, PF7, PF8,PF9 (more advanced use of function keys). If you don't continue the following section, the values on the generated reports will be different from those produced in the following sections.

3.2.2.2.1 Editing a Facility. To edit the first facility, use the following commands:

1. Press PF1 (for first facility in Fort Lee)
2. Press PF5 (for editing mode)

```
                          REPORT INSTALLATION
                          FACILITY INFORMATION
                      GENERAL FACILITY INFORMATION
REPORT INSTALLATION ID :  51315    ID NAME:  LEE FORT
MACOM ID :  TD
        INSTALLATION    :   01234
        AREA:               02      NO DESCRIPTION
        FACILITY ID:        A71111A00 (     1 BLD FACILITIES          )
        F4C CODE:           7111100        FH GEN
        NUMBER IN F/G             2
        TRAVEL ZONE:         1
        SQUARE FEET:                1000
        CONSTRUCTION YEAR:   1700
        W/P METHOD INDEX:    5       NO DESCRIPTION
        SPECIAL CONDITION MULTIPLIER ID:  01  DEFAULT SP COND MODIF
        SCHEDULED DISPOSAL DATE:
        LAST CHANGE DATE:
        LAST CALCULATION DATE:
        FACILITY FUNDING PROFILE:  01
        CALCULATION MODELING ID (1-4): 2  UNIT COST BY AGE
        ACCOUNTING ID :  OMA    Permanent
    PF1=TOP  PF2=BOT  PF3=FIND   PF4=NEXT   PF5=EDIT  PF6=PREV  PF7=ADD
 PF8=DEL  PF9=SAVE PF10=EXIT  PF11=LIST  PF12=DISK PF14=PRINT
EDIT..MAKE CHANGES TO THIS RECORD - PF9: SAVE  PF10: CANCEL
```

Figure 3.2.2.2.1-1 General facility information - first facility.

3. Tab over once (to the F4C code)
4. Type: 6901000 (for F4C code)
5. Type: 10 (for number in FG; blank out the rest of the field by pressing the space bar)
6. (Tab over once to "square feet")
7. Type: 2000 (for square feet, and then blank out the rest of the field)
8. Press PF9 (to save the edited information)

```
                          REPORT INSTALLATION
                          FACILITY INFORMATION
                      GENERAL FACILITY INFORMATION
REPORT INSTALLATION ID :  51315    ID NAME:  LEE FORT
MACOM ID :  TD
        INSTALLATION    :   01234
        AREA:               02      NO DESCRIPTION
        FACILITY ID:        A71111A00 (     1 BLD FACILITIES          )
        F4C CODE:           6901000        FH GEN
        NUMBER IN F/G             10
        TRAVEL ZONE:         1
        SQUARE FEET:                2000
        CONSTRUCTION YEAR:   1700
        W/P METHOD INDEX:    5       NO DESCRIPTION
        SPECIAL CONDITION MULTIPLIER ID:  01  DEFAULT SP COND MODIF
        SCHEDULED DISPOSAL DATE:
        LAST CHANGE DATE:
        LAST CALCULATION DATE:
        FACILITY FUNDING PROFILE:  01
        CALCULATION MODELING ID (1-4): 2  UNIT COST BY AGE
        ACCOUNTING ID :  OMA    Permanent
    PF1=TOP  PF2=BOT  PF3=FIND   PF4=NEXT   PF5=EDIT  PF6=PREV  PF7=ADD
 PF8=DEL  PF9=SAVE PF10=EXIT  PF11=LIST  PF12=DISK PF14=PRINT
EDIT/SAVE..CHANGES MADE AS SPECIFIED
```

Figure 3.2.2.2.1-2 General facility information - edited values saved.

3.2.2.2.2 Add a Facility. - Add a fictitious facility with Facility ID = A71111C82, Subinstallation = 01235, Area = 02 and other information, to Reporting Installation Fort Lee, VA, by using the following commands:

1. Press PF7 (to add)
2. Type: 01235 (for Subinstallation)
3. Type: 02 (for Area)
4. Type: A71111C82 (for Facility ID)
5. Type: 2 Buildings
6. Tab over once (to F4C code)
7. Type: 7111100 (for F4C code)
8. Type: 1 (for number in F/G)
9. Tab over once
10. Type: __ 1 (__ is <space bar>)
11. Type: 2000 (for square feet)
12. Tab over once (to "construction year")
13. Type: 1982 (for construction year)
14. Type: 5 (for W/P method index)
15. Type: 01 (for special condition multiplier ID).
16. Tab over three times (to Facility Funding Profile)
17. Type: 01 (for Facility Funding Profile)
18. Type: 2 (for calculation method)
19. Press PF9 (to add)

```
                          REPORT INSTALLATION
                          FACILITY INFORMATION
                     GENERAL FACILITY INFORMATION
REPORT INSTALLATION ID :  51315    ID NAME:  LEE FORT
MACOM ID :  TD
        INSTALLATION    :   01235
        AREA:               02
        FACILITY ID:        A71111C82 ( 2 BUILDINGS                    )
        F4C CODE:           7111100
        NUMBER IN F/G            1
        TRAVEL ZONE:         1
        SQUARE FEET:                2000
        CONSTRUCTION YEAR:    1982
        W/P METHOD INDEX:     5
        SPECIAL CONDITION MULTIPLIER ID:  01
        SCHEDULED DISPOSAL DATE:
        LAST CHANGE DATE:
        LAST CALCULATION DATE:
        FACILITY FUNDING PROFILE:  01
        CALCULATION MODELING ID (1-4): 2
        ACCOUNTING ID :  OMA    Permanent
    PF1=TOP  PF2=BOT  PF3=FIND   PF4=NEXT   PF5=EDIT  PF6=PREV  PF7=ADD
PF8=DEL  PF9=SAVE PF10=EXIT  PF11=LIST  PF12=DISK PF14=PRINT
ADD..SUCCESSFUL ADD FOR FACTAB FILE
```

Figure 3.2.2.2.2-1 General facility information - adding.

Press PF6, PF4 to view the location of the added the facility.

3.2.2.2.3 Delete Facility.

Next, delete the facility you have added by using the following commands:

1. Press PF8
2. Type: 01235 (for Subinstallation)
3. Type: 02 (for Area)
4. Type: A71111C82 (for Facility ID)

```
                          REPORT INSTALLATION
                          FACILITY INFORMATION
                      GENERAL FACILITY INFORMATION
REPORT INSTALLATION ID :  51315    ID NAME:  LEE FORT
MACOM ID :  TD
        INSTALLATION    :   01235
        AREA:               02
        FACILITY ID:        A71111C82 (                              )
        F4C CODE:
        NUMBER IN F/G
        TRAVEL ZONE:
        SQUARE FEET:
        CONSTRUCTION YEAR:
        W/P METHOD INDEX:
        SPECIAL CONDITION MULTIPLIER ID:
        SCHEDULED DISPOSAL DATE:
        LAST CHANGE DATE:
        LAST CALCULATION DATE:
        FACILITY FUNDING PROFILE:
        CALCULATION MODELING ID (1-4):
        ACCOUNTING ID :  OMA    Permanent
    PF1=TOP  PF2=BOT  PF3=FIND   PF4=NEXT   PF5=EDIT  PF6=PREV  PF7=ADD
 PF8=DEL  PF9=SAVE PF10=EXIT  PF11=LIST  PF12=DISK PF14=PRINT
DELETE..ENTER FAC_ID SUB_INST AREA FOR DELETION-PF9: DELETE PF10:CANCEL
```

Figure 3.2.2.2.3-1 General facility information - deleting.

5. Press PF9 (to delete)
6. Press PF10 (to Facility Information Selection Menu)

```
TD:51315                REPORT INSTALLATION
                      FACILITY INFORMATION
                           SELECTION MENU

                  |   RESOURCE CALCULATION
                  |   DISPLAY RESOURCES - TABLE FORM
                  |   GENERAL INFORMATION
                  |   FACILITY REPORTS
                  |   MODEL FACILITY
                  |   REVIEW CURRENT DATABASE

PRESS PF10 TO RETURN TO PREVIOUS MENU
```

Figure 3.2.2.2.3-2 Facility information selection menu.

3.2.2.3 Resource Calculation. (see Section 2.4.2, page 2-29)

Perform a calculation for all facilities using modelling methods defined in the General Facility Information table and a cost time adjustment factor of 1.1. Use the United States - Permanent and Temporary Facility database. Use the following commands from the Facility Information Selection Menu:

1. Press <ENTER> (to Resource Calculation Selection Menu)

```
                REPORT INSTALLATION
                 FACILITY INFORMATION
          RESOURCE CALCULATION SELECTION MENU


DATABASE USED IN CALCULATION (A, B, C) :( B )
     A. TOTAL F4C DATABASE
     B. UNITED STATES - PERMANENT & TEMPORARY DATABASE
     C. EUROPE DATABASE

ENTER THE TYPE OF FACILITIES TO BE PROCESSED ( A, B, C) :( A )
     A. PERMANENT & TEMPORARY FACILITIES OR ALL
     B. PERMANENT FACILITIES ONLY
     C. TEMPORARY FACILITIES ONLY


PF4=NEXT SCREEN PF5=EDIT  PF9=SAVE  PF10=EXIT
```

Figure 3.2.2.3-1 Resource calculation - database and facility type selection menu.

To move to the next screen,

2. Press PF4 (using default parameters)

```
                    REPORT INSTALLATION
              REPORTING INSTALLATION RANGE FOR
             RESOURCE CALCULATION AT MACOM LEVEL


          PLEASE ENTER THE REPORTING INSTALLATION ID
                 FOR RESOURCE CALCULTAION


     LOW REPORTING INSTALLATION ID    (OR ALL)  :  ( 51315 )
     HIGH REPORTING INSTALLATION ID             :  ( 51315 )

     ENTER APPROPRIATION ID (1,2,3,4,5,6,7,8,9)       :  (   )
        1=OMA 2=OMAR 3=AIF 4=RDTE 5=OPA 6=AFH 7=OTHER 8=NG
        9=ALL IDS


  PF10=EXIT P11=LIST-ID  ENTER=SAVE & CONTINUE
```

Figure 3.2.2.3-2 Reporting installation range and appropriation ID.

3. Type: 9 (for all appropriations)
4. Press <ENTER> (to Resource Calculation - Screen 1)

Calculate all facilities for Fort Lee by the method specified in the general facility table (modelling method 5) using a unit cost time adjustment factor of 1.2.

```
                    REPORT INSTALLATION
                    FACILITY INFORMATION
                    RESOURCE CALCULATION

   NAME OF INSTALLATION:   LEE FORT
   BEGINNING REPORT YEAR:  1989          ENDING REPORT YEAR:  1998
   MATERIAL ADJUSTMENT FACTOR:    1.10

MODELLING METHOD  :  5
   1. NOT ACTIVE AT PRESENT
   2. UNIT COST BY FACILITY AGE
   3. GROSS FLOOR AREA (NOT ACTIVE)
   4. RECURRING MAINTENANCE FACTORS (NOT ACTIVE)
   5. USE THE ITEM SPECIFIED IN FACILITY RECORD

UNIT COST ADJUSTMENT FACTOR : (  1.100 )
RMF ADJUSTMENT FACTOR       : (  1.000 )

FACILITY TYPE TO BE PROCESSED: ( 1 )
     1.BLD AND NON-BLD    2.BLD ONLY   3.NON-BLD ONLY
```

Figure 3.2.2.3-3 Resource calculation - screen 1.

Edit the modelling method and cost time adjustment factor by using the following commands (Note: The values edited are the same):

5. Press PF5 (to edit)
6. Type: 2 (for modelling method)
7. Type: 1 2000 (for cost time adjustment factor)

```
                    REPORT INSTALLATION
                    FACILITY INFORMATION
                    RESOURCE CALCULATION

   NAME OF INSTALLATION:   LEE FORT
   BEGINNING REPORT YEAR:  1989          ENDING REPORT YEAR:  1998
   MATERIAL ADJUSTMENT FACTOR:    1.10

MODELLING METHOD  :  2
   1. NOT ACTIVE AT PRESENT
   2. UNIT COST BY FACILITY AGE
   3. GROSS FLOOR AREA (NOT ACTIVE)
   4. RECURRING MAINTENANCE FACTORS (NOT ACTIVE)
   5. USE THE ITEM SPECIFIED IN FACILITY RECORD

UNIT COST ADJUSTMENT FACTOR : ( 1.2000 )
RMF ADJUSTMENT FACTOR       : (  1.000 )

FACILITY TYPE TO BE PROCESSED: ( 1 )
     1.BLD AND NON-BLD    2.BLD ONLY   3.NON-BLD ONLY

     PF1=RUN AS IS  PF5=EDIT  PF9=SAVE PF10=EXIT  ENTER=NEXT SCREEN
     PF13=PRINT ERROR
MAKE DESIRED CHANGES,ENTER=NEXTPAGE PF9=SAVE PF10=CANCEL
```

Figure 3.2.2.3-4 Resource calculation - screen 1.

8. Press <ENTER> (to next page)

```
                    REPORT INSTALLATION
                    FACILITY INFORMATION
                    RESOURCE CALCULATION

ENTER RANGE OF INSTALLATION TO BE PROCESSED OR 'ALL' :
 LOW INSTALLATION ID OR 'ALL' :  ( ALL    )
 HIGH INSTALLATION ID         :  (        )

 FACILITIES TO BE PROCESSED:  3  (            ,            )
 1. FACILITY NUMBER RANGE.
 2. F4C RANGE
 3. ALL FACILITIES

  PF1=RUN AS IS   PF5=EDIT   PF9=SAVE   PF10=EXIT
  PF13=PRINT ERROR
```

Figure 3.2.2.3-5 Resource calculation - screen 2.

Using the default values on this screen,

9. Press PF9 (to save all values edited - screens 1 and 2)

To run the calculation:

10. Press PF1 (to calculate)

Note: This message at the bottom line of screen tells you the calculation is in progress. Please do not press any key when the calculation is in progress. When the calculation is finished, the following message will appear:

"CALCULATION FINISHED, PRESS PF10 TO CONTINUE ...NUM OF FAC --> 11"

11. Press PF13 or <shift><PF3> (to print error message)

Please wait until printing is finishes. (No errors will be printed between the starting and finish line on the report.

```
                    MRPM ERROR FILE                          08/21/89
*************************************************************
* Desciptions:  i) FUNCTION indicates which MRPM functions    *
*              ii) PROGRAM indicates which program.           *
*             iii) LINE    indicates which line.              *
*              iv) ERROR   indicates the error message.       *
*               v) REP. INST. indicates which  id.            *
*=============================================================*
*          LISTING OF ERRORS                                  *
*************************************************************
*************************************************************
CALCULATING REP. INST. : 51315
STARTING TIME : 12.22.54
FINISH CALCULATING REP. INST. : 51315
ENDING TIME : 12.22.55
*************************************************************
```

Figure 3.2.2.3-6 Resource calculation - error file.

12. Press PF10 (to Reporting Installation Range & Appropriation ID Screen)
13. Press PF10 (to Resource Calculation - Database & Facility Type Selection Menu)
14. Press PF10 (to Facility Information Selection Menu)

You can display the resources for the facilities just calculated.

```
TD:51315                  REPORT INSTALLATION
UPDATING MODE           FACILITY INFORMATION
                             SELECTION MENU

                        RESOURCE CALCULATION
                        DISPLAY RESOURCES - TABLE FORM
                        GENERAL INFORMATION
                        FACILITY REPORTS
                        MODEL FACILITY
                        REVIEW CURRENT DATABASE

PRESS PF10 TO RETURN TO PREVIOUS MENU
```

Figure 3.2.2.3-7 Facility information selection menu.

3.2.2.4 Display Resource - Table Form. (see Section 2.4.3.2, page 2-34)

Use the following commands to review facilities resources calculated for Fort Lee, VA:

1. Tab over once (to Display Resource - Table Form)
2. Press <ENTER>

```
FACILITY ID :  A71111A00   F4C DESC. :  FLAGPOLE
REP. INST.  :      51315   NUMBER OF FACILITIES :          10
INSTALLATION :     01234   TOTAL SQUARE FOOTAGE :       20000
AREA        :         02   TOTAL TEN YEARS COST :     1858560
     YEAR          1989        1990        1991        1992        1993

RMF                   0           0           0           0           0
A.R.M             34848       34848       34848       34848       34848
M.R.T            151008      151008      151008      151008      151008

TOTALS           185856      185856      185856      185856      185856

-----------------------------------------------------------------------
     YEAR          1994        1995        1996        1997        1998

RMF                   0           0           0           0           0
A.R.M.            34848       34848       34848       34848       34848
M.R.T.           151008      151008      151008      151008      151008

TOTALS           185856      185856      185856      185856      185856

   PF1=TOP PF2=BOTTOM  PF3=FIND  PF4=NEXT PF6=PREV  PF10=EXIT
```

Figure 3.2.2.4-1 Display resources - table form.

Try PF4, PF2, PF6, PF6 in sequence to study how the function keys work.

To find a facility with Facility ID = A71111C81, Subinstallation ID = 01234, Area= 02, for CACES = 0000000, use the following commands:

3. Press PF3 (to get into find mode)
4. Type: K71111C81 (for Facility ID)
5. Type: 01234 (for Installation)
6. Type: 02 (for Area)
7. Press PF9 (to find)

```
FACILITY ID :  K71111C81   F4C DESC. :  FH GEN
REP. INST.  :      51315   NUMBER OF FACILITIES :          2
INSTALLATION :     01234   TOTAL SQUARE FOOTAGE :       4000
AREA        :        02   TOTAL TEN YEARS COST :     500454
      YEAR        1989        1990        1991        1992        1993

 RMF                 0           0           0           0           0
 A.R.M           23426       23426       23426       23426       23426
 M.R.T           12778       23426       34074       44722       12778

 TOTALS          36203       46851       57499       68147       36203

-----------------------------------------------------------------------
      YEAR        1994        1995        1996        1997        1998

 RMF                 0           0           0           0           0
 A.R.M.          23426       23426       23426       23426       23426
 M.R.T.          23426       34074       44722       12778       23426

 TOTALS          46851       57499       68147       36203       46851

   PF1=TOP PF2=BOTTOM  PF3=FIND  PF4=NEXT PF6=PREV  PF10=EXIT
```

Figure 3.2.2.4-2 Display resources - table form.

Review this data. Notice that the ARM is consistent, RMF has not been used, and that the MRT varies from year to year. The totals are not constantly increasing from year to year. Quit from the Display Resource screen to the Facility Information Selection Menu by:

8. Press PF10 (to Facility Information Selection Menu)

```
TD:51315                    REPORT INSTALLATION
UPDATING MODE             FACILITY INFORMATION
                               SELECTION MENU

                     |    RESOURCE CALCULATION
                     |    DISPLAY RESOURCES - TABLE FORM
                     |    GENERAL INFORMATION
                     |    FACILITY REPORTS
                     |    MODEL FACILITY
                     |    REVIEW CURRENT DATABASE

PRESS PF10 TO RETURN TO PREVIOUS MENU
```

Figure 3.2.2.4-3 Facility information selection menu.

3.2.2.5 Facility Reports. (see Section 2.4.5, page 2-38)

Generate and display reports in three formats: (1) F4C/AMS Organizational Summary Report, and (2) 3-Digit F4C report, (3) URR Comparison Report.

First, generate F4C/AMS Organizational Summary Report for Fort Lee, VA, by using the following commands:

From the Facility Information Selection Menu:

1. Tab over three times (to Facility Reports)
2. Press <ENTER> (to Facility Report Selection Menu)

```
                REPORT INSTALLATION
               FACILITY INFORMATION
                 FACILITY REPORTS

| F4C/AMS ORGANIZATIONAL SUMMARY REPORT
    | REVIEW REPORTS
    | PRINT F4C/AMS REPORT MENU
    | GENERATE F4C/AMS REPORT ON DISK

| 3 DIGIT F4C SUMMARY REPORT
    | REVIEW 3 DIGIT F4C REPORT
    | PRINT 3 DIGIT F4C REPORT
    | GENERATE 3 DIGIT F4C REPORT ON DISK

| URR COMPARISON REPORT
    | REVIEW URR REPORT
    | PRINT URR REPORT
    | GENERATE URR REPORT ON DISK
```

Figure 3.2.2.5-1 Facility report selection menu.

3. Press <ENTER> (to Reporting Installation Range & Appropriation ID Screen)

3.2.2.5.1 F4C/AMS Organizational Summary Report. (see Section 2.4.5.1, page 2-39)

```
                    REPORT INSTALLATION
              REPORTING INSTALLATION RANGE FOR
               RESOURCE SUMMARY AT MACOM LEVEL


          PLEASE ENTER THE REPORTING INSTALLATION ID
                 FOR RESOURCE SUMMARY



        LOW REPORTING INSTALLATION ID (OR ALL)  :  ( 51315 )
        HIGH REPORTING INSTALLATION ID          :  ( 51315 )

        ENTER APPROPRIATION ID (1,2,3,4,5,6,7,8,9):(   )
        1=OMA 2=OMAR 3=AIF 4=RDTE 5=OPA 6=AFH 7=OTHER 8=NG
        9=ALL APPROP.IDS   A=NON-ACTIVE FAC. B=F4C/CY
        ENTER TYPE OF FACILITIES (A,B,C)          : (   )
        A=ALL  B=PERMANENT   C=TEMPORARY

   PF10=EXIT PF11=LIST-ID ENTEP=SAVE & CONTINUE
```

Figure 3.2.2.5.1-1 Reporting installation range & appropriation ID screen.

Create a report for Fort Lee, VA (51315) for all permanent and temporary facility appropriations:

4. Type: 9 (for all appropriation IDs)
5. Type: A (for permanent and temporary)
6. Press <ENTER> (to F4C/AMS Report Screen)

```
                    REPORT INSTALLATION
                    FACILITY INFORMATION
                      FACILITY REPORTS
              F4C/AMS ORGANIZATIONAL SUMMARY REPORT

  SELECT ONE OF THE FOLLOWING TWO METHODS (A/B):
    A. ENTER LOW AMS OR ALL:
       ENTER HIGH AMS:
    B. ENTER LOW F4C OR ALL:
       ENTER HIGH F4C:
---------------------------------------------
SELECT REPORTS TO BE GENERATED :
      REPORTING INSTALLATION       :
      INSTALLATION                 :
      AREA                         :
      FACILITY (WITH SUBTOTAL)     :
      FACILITY (WITH TOTALS)       :
    ENTER LOW FACILITY ID OR ALL:
    ENTER HIGH FACILITY ID:

  RUN REPORT (Y/N)

              PF10=EXIT  ENTER=SAVE & CONTINUE
```

Figure 3.2.2.5.1-2 F4C/AMS organizational summary report.

To set the parameters:

7. Type: B (for method using F4C range)
8. Press <ENTER>
9. Type: 0000000 (for low F4C)
10. Type: 9999999 (for high F4C)
11. Press <ENTER>
12. Type: Y, Y, Y, Y, Y
13. Type: ALL (for Low Facility Range)
14. Press <ENTER>
15. Type: Y
16. Press <ENTER>

When the reports are ready, the following message will appear at the bottom of screen:

"REPORTS ARE READY, PRESS PF10 TO EXIT"

17. Press PF10 (to Reporting Installation Range & Appropriation ID Screen)
18. Press PF10 (to Facility Report Selection Menu)
19. Tab over once (to Review Report Selection Menu)
20. Press <ENTER> (to Review Report Selection Menu)

```
REPORT INSTALLATION
FACILITY INFORMATION
REVIEW   REPORTS
PRINT REPORTS SELECTION MENU

REVIEW F4C/AMS REPORT - REPORTING INSTALLATION
REVIEW F4C/AMS REPORT - INSTALLATION
REVIEW F4C/AMS REPORT - AREA
REVIEW F4C/AMS REPORT - FACILITY (SUBTOTALS)
REVIEW F4C/AMS REPORT - FACILITY (TOTALS)
```

Figure 3.2.2.5.1-3 Review report selection menu.

3.2.2.5.1.1 Review Report - Reporting Installation. (See Section 2.4.5.1.4.1, page 2-43, "Review F4C/AMS Organizational Summary Report" for Fort Lee, VA, on screen.

To review this summary report, use the following commands:

1. Press <ENTER> (to Review Report at Reporting Installation)

```
FACILIT Y ID :                F4C DESC. :
REP. INST.   :       51315    NUMBER OF FACILITIES :          30
INSTALLATION :                TOTAL SQUARE FOOTAGE :       13040
AREA         :                TOTAL TEN YEARS COST :     4990263
     YEAR          1989          1990          1991          1992          1993

 RMF                  0             0             0             0             0
 A.R.M           149783        149783        149783        149783        149783
 M.R.T           349680        350648        341452        363716        343388

 TOTALS          499462        500430        491234        513498        493170

-----------------------------------------------------------------------------
     YEAR          1994          1995          1996          1997          1998

 RMF                  0             0             0             0             0
 A.R.M.          149783        149783        149783        149783        149783
 M.R.T.          344356        366620        357424        337096        338064

 TOTALS          494138        516402        507206        486878        487846

   PF1=TOP PF2=BOTTOM  PF3=FIND  PF4=NEXT PF6=PREV  PF10=EXIT
```

Figure 3.2.2.5.1.1-1 Review report - reporting installation.

This screen gives the totals for the Reporting Installation, Fort Lee (51315). There are 30 facility summary groups totalling 13,040 sq ft of floor area. Since method 2 (calculate by unit cost) was used as the calculation method, and all facility groups use the unit cost by age, no RMF value is shown. You can do a screen print by pressing <PrtSc> key on an IBM keyboard or <shift><PrtSc> on a Zenith keyboard.

2. Press PF10 (to Review Report Selection Menu)

3.2.2.5.1.2 Review Report - Installation. (See Section 2.4.5.1.4.2, page 2-44, "Review F4C/AMS Organizational Summary Report by Installation" for Fort Lee, VA, on screen.)

To review this summary report, use the following commands:

1. Tab over once (to Review Report - Installation)
2. Press <ENTER>

```
FACILITY ID :                F4C DESC. :
REP. INST.  :       51315    NUMBER OF FACILITIES :          30
INSTALLATION :      01234    TOTAL SQUARE FOOTAGE :       13040
AREA        :                TOTAL TEN YEARS COST :     4990263
     YEAR          1989        1990        1991        1992        1993

 RMF                  0           0           0           0           0
 A.R.M           149783      149783      149783      149783      149783
 M.R.T           349680      350648      341452      363716      343388

 TOTALS          499462      500430      491234      513498      493170

-----------------------------------------------------------------------
     YEAR          1994        1995        1996        1997        1998

 RMF                  0           0           0           0           0
 A.R.M.          149783      149783      149783      149783      149783
 M.R.T.          344356      366620      357424      337096      338064

 TOTALS          494138      516402      507206      486878      487846

   PF1=TOP PF2=BOTTOM  PF3=FIND  PF4=NEXT PF6=PREV  PF10=EXIT
```

Figure 3.2.2.5.1.2-1 Review report - installation.

This screen is the same as the previous screen since only one installation ID (01234) was used during Modelling. (Note: You can do a screen print.)

3. Press PF10 (to Review Report Selection Menu)

3.2.2.5.1.3 Review Report - Area. (see Section 2.4.5.1.4.3, page 2-45) - Review F4C/AMS Organizational Summary Report by Area for Fort Lee, VA, on screen. To review this summary report from Review Report Selection Menu,

1. Tab over two times (to Review Report - Area)
2. Press <ENTER>

```
FACILIT Y ID :                F4C DESC. :
REP. INST.   :        51315   NUMBER OF FACILITIES :          30
INSTALLATION :        01234   TOTAL SQUARE FOOTAGE :       13040
AREA         :           02   TOTAL TEN YEARS COST :     4990263
     YEAR            1989          1990          1991          1992          1993

 RMF                    0             0             0             0             0
 A.R.M               149783        149783        149783        149783        149783
 M.R.T               349680        350648        341452        363716        343388

 TOTALS              499462        500430        491234        513498        493170

-----------------------------------------------------------------------------
     YEAR            1994          1995          1996          1997          1998

 RMF                    0             0             0             0             0
 A.R.M.              149783        149783        149783        149783        149783
 M.R.T.              344356        366620        357424        337096        338064

 TOTALS              494138        516402        507206        486878        487846

   PF1=TOP PF2=BOTTOM  PF3=FIND  PF4=NEXT PF6=PREV  PF10=EXIT
```

Figure 3.2.2.5.1.3-1 Review report - area.

This is the same as the previous report since only one area was used during modelling. (Note: You can do a screen print.)

3. Press PF10 (to Review Report Selection Menu)

3.2.2.5.1.4 Review Report - Facility (Subtotals). (see Section 2.4.5.1.4.4, page 2-45) - Review F4C/AMS Organizational Summary Report by Facility for Fort Lee, VA, on screen.

To view this report:

1. Tab over three times (to Review Report - Facility (Subtotal))
2. Press <ENTER>

Learn how to add and delete URR parameters for Fort Lee. For each Reporting Installation like Fort Lee, there are different URR parameters under different AMS codes for every appropriation in the Reporting Installation.

To add K2700 for Operation and Maintenance - Army (OMA) Fort Lee, from URR Report Selection Menu - listing of ID:

4. Type: 51315 (for Fort Lee)
5. Press <ENTER> (to URR Appropriations listing)

```
FACILITY ID :  A71111A00   F4C DESC. :   FLAGPOLE
REP. INST.  :      51315   NUMBER OF FACILITIES :          10
INSTALLATION :     01234   TOTAL SQUARE FOOTAGE :        2000
AREA        :         02   TOTAL TEN YEARS COST :     1858560
     YEAR          1989        1990        1991        1992        1993

 RMF                  0           0           0           0           0
 A.R.M            34848       34848       34848       34848       34848
 M.R.T           151008      151008      151008      151008      151008

 TOTALS          185856      185856      185856      185856      185856

-----------------------------------------------------------------------
     YEAR          1994        1995        1996        1997        1998

 RMF                  0           0           0           0           0
 A.R.M.           34848       34848       34848       34848       34848
 M.R.T.          151008      151008      151008      151008      151008

 TOTALS          185856      185856      185856      185856      185856

   PF1=TOP PF2=BOTTOM  PF3=FIND  PF4=NEXT PF6=PREV  PF10=EXIT
```

Figure 3.2.2.5.1.4-1 Review report - facility (subtotals).

3. Press PF10 (to Review Report Selection Menu)
4. Press PF10 (to Facility Report Selection Menu)

Skip section 3.2.2.5.1.5 until future development.

3.2.2.5.1.5 Review Report - Facility (Totals). (see Section 2.4.5.1.4.5, page 2-46) - Review F4C/AMS Organizational Summary Report by Facility under totals for Fort Lee, VA, on screen. To view this report:

1. Tab over four times (to Review Report - Facility (Totals))
2. Press <ENTER>

1

ORGANIZATIONAL SUMMARY REPORT : BY FACILITY

Report on : ALL APPROP. - PERM & TEMP

REP. INST I.D. : 51315

Date : 04/14/90 Page : 1

SUB INST	F AREA	FACILITY ID	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
01234	02	A71111A00	202752	202752	202752	202752	202752	202752	202752	202752	202752	202752
		A71111B00	111514	111514	111514	111514	111514	111514	111514	111514	111514	111514
		A71111C00	37171	37171	37171	37171	37171	37171	37171	37171	37171	37171
		B69010***	453	453	453	453	453	453	453	453	453	453
		K71111C81	39494	51110	62726	74342	39494	51110	62726	74342	39494	51110
		K71111C82	37171	19747	25555	31363	37171	19747	25555	31363	37171	19747
		L61011***	227	227	227	227	227	227	227	227	227	227
		L61011C81	38438	45302	17846	24710	31574	38438	45302	17846	24710	31574
		L71111***	401	401	401	401	401	401	401	401	401	401
		M71111C00	37171	37171	37171	37171	37171	37171	37171	37171	37171	37171
		N71111C00	40075	40075	40075	40075	40075	40075	40075	40075	40075	40075

Figure 3.2.2.5.1.5-1 Review report - facility (totals).

3. Press PF3 (to Facility Report Selection Menu)

You can go to 3.2.2.5.2 "3-Digit F4C Summary Report" OR you can continue to generate a report of a different format as follows:

3.2.2.5.1.6 Print F4C/AMS Report. (see Section 2.4.5.1.5, page 2-47) - This report is in a format as described in Section 2.4.5.1.2, page 2-40, and 2.4.5.1.3, page 2-42. The reports summarized by Reporting Installation, Installation, Area, and Facility can be printed from Facility Report Selection Menu, by:

1. Tab over two times (to Print F4C/AMS Report Menu)

2. Press <ENTER>

```
REPORT INSTALLATION
FACILITY INFORMATION
FACILITY REPORTS
PRINT REPORTS SELECTION MENU

PRINT F4C/AMS REPORT - REPORTING INSTALLATION
PRINT F4C/AMS REPORT - INSTALLATION
PRINT F4C/AMS REPORT - AREA
PRINT F4C/AMS REPORT - FACILITY (SUBTOTAL)
PRINT F4C/AMS REPORT - FACILITY (TOTALS)

ENTER PF10 TO RETURN TO PREVIOUS MENU
```

Figure 3.2.2.5.1.6-1 Print report selection menu.

(Note: To stop printing, set your printer to offline, wait several minutes and set it back to online again.)

3. Press <ENTER> (to Print F4C/AMS Report - Reporting Installation at your PC printer) (wait until it is finished)

4. Tab once (to Print F4C/AMS Report - Installation)

5. Press <ENTER> (to print at your PC printer; wait until it is finished)

6. Tab once (to Print F4C/AMS Report - Area)

7. Press <ENTER> (to print at your PC printer; wait until it is finished)

8. Tab once (to Print F4C/AMS Report - Facility Subtotal)

9. Press <ENTER> (to print at your PC printer)

10. Tab once (to Print F4C/AMS Report - Facility Totals)

11. Press <ENTER>(to print at your PC printer)

12. Press PF10 (to Facility Report Selection Menu)

```
                    REPORT INSTALLATION
                   FACILITY INFORMATION
                     FACILITY REPORTS

          | F4C/AMS ORGANIZATIONAL SUMMARY REPORT
          |   REVIEW REPORTS
          |   PRINT F4C/AMS REPORT MENU
          |   GENERATE F4C/AMS REPORT ON DISK

          | 3 DIGIT F4C SUMMARY REPORT
          |   REVIEW 3 DIGIT F4C REPORT
          |   PRINT 3 DIGIT F4C REPORT
          |   GENERATE 3 DIGIT F4C REPORT ON DISK

          | URR COMPARISON REPORT
          |   REVIEW URR REPORT
          |   PRINT URR REPORT
          |   GENERATE URR REPORT ON DISK

PF10=EXIT
```

Figure 3.2.2.5.1.6-2 Facility report selection menu.

3.2.2.5.2 3-Digit F4C Summary Report. (see section 2.4.5.2, page 2-48) - Generate a total dollar report by summarizing the resources by the first three digits of the F4C code for Fort Lee, VA. Print the report in dollars. Generate report for all facilities from Facility Report Selection Menu, by:

1. Tab over four times (to 3-Digit F4C Summary Report)
2. Press <ENTER>

```
PLEASE ENTER THE REPORTING INSTALLATION ID
    FOR THE 3 DIGIT F4C RESOURCE REPORT

LOW REPORTING INSTALLATION ID (OR ALL)  :  ( 51315 )
HIGH REPORTING INSTALLATION ID          :  ( 51315 )

ENTER APPROPRIATION ID (1,2,3,4,5,6,7,8,9):(   )
1=OMA 2=OMAR 3=AIF 4=RDTE 5=OPA 6=AFH 7=OTHER 8=NG
9=ALL APPROP.IDS   A=NON-ACTIVE FAC. B=F4C/CY
ENTER TYPE OF FACILITIES (A,B,C)        : (   )
A=ALL  B=PERMANENT   C=TEMPORARY

PF10=EXIT ENTER=SAVE & CONTINUE
```

Figure 3.2.2.5.2-1 Reporting installation range & appropriation ID screen.

To generate a 3-Digit F4C report for Fort Lee, VA (51315) for all appropriation IDs and all permanent and temporary facilities:

3. Type: 9 (for all appropriations)
4. Type: A (for permanent and temporary facilities)
5. Press <ENTER> (to 3-Digit F4C Summary Report Screen)

```
                    REPORT INSTALLATION
                    FACILITY INFORMATION
                      FACILITY REPORTS
            3-DIGIT F4C FACILITY SUMMARY REPORT

ENTER SUMMARY DOLLAR OPTION (A/B) : ( A )
  A. PRINT IN DOLLARS
  B. PRINT IN THOUSANDS DOLLARS

ENTER REPORT CONTENTS (1/2): ( 1 )
   1. 3 DIGIT F4C SUMMARY
   2. 3 DIGIT F4C SUMMARY PER SQUARE FOOT

ENTER LOW F4C NUMBER :  ( ALL     )
ENTER HIGH F4C NUMBER : (         )

ENTER FILENAME  :
FILE DESCRIPTION :

PF1=RUN  PF5=EDIT  PF9=SAVE EDIT   PF10=EXIT
```

Figure 3.2.2.5.2-2 3-Digit F4C summary report selection menu.

Enter the filename FORTLEE for the report generated under Reporting Installation ID : 51315 for Fort Lee by:

6. Type : FORTLEE (for the filename)
7. Tab over one time (to file description)
8. Type : THIS IS THE 3-DIGIT REPORT FOR FORT LEE
9. Press PF1 (to generate report)

Wait until the report is generated. When the report is ready, the following message will appear at the bottom of screen:

"YOUR REPORT HAS BEEN PREPARED..PF10 TO RETURN TO PREVIOUS MENU"

Print it out on your PC printer by:

10. Press PF10 (to Facility Report Selection Menu)
11. Tab over six times (to Print 3-digit F4C Report)
12. Press <ENTER>

```
FILENAME  :                REPORT INSTALLATION
DISK FILENAME :
  | FILENAME | FILE DESCRIPTION                                  |
    FORTLEE    THIS IS THE 3-DIGIT REPORT FOR FORT LEE

ALL SCREENS : PF1=TOP PF4=NEXT PF8=DELETE PF10=EXIT ENTER=PRINT
```

Figure 3.2.2.5.2-3 3-Digit F4C summary report - list of filenames.

Enter the filename of the report to be printed. Since you only generated one type of 3-Digit F4C report, there is only one filename to appear on the list of filenames. If you have generated more than one type of report and different filenames have been entered, there will be a listing of filenames that will appear for figure 3.2.2.5.2-3.

To print the 3-Digit F4C report:

13. Type: FORTLEE (to print the report with filename FORTLEE)
14. Press <ENTER> (to print 3-digit F4C Report)
15. Press PF10 (Facility Reports Selection Menu)

```
                    REPORT INSTALLATION
                   FACILITY INFORMATION
                     FACILITY REPORTS

| F4C/AMS ORGANIZATIONAL SUMMARY REPORT
    | REVIEW REPORTS
    | PRINT F4C/AMS REPORT MENU
    | GENERATE F4C/AMS REPORT ON DISK

| 3 DIGIT F4C SUMMARY REPORT
    | REVIEW 3 DIGIT F4C REPORT
    | PRINT 3 DIGIT F4C REPORT
    | GENERATE 3 DIGIT F4C REPORT ON DISK

| URR COMPARISON REPORT
    | REVIEW URR REPORT
    | PRINT URR REPORT
    | GENERATE URR REPORT ON DISK


PF10=EXIT
```

Figure 3.2.2.5.2-4 Facility report selection menu.

3.2.2.5.3 URR Comparison Report

To create a URR report for Fort Lee (see section 2.4.5.3, page 2-53), from Facility Report Selection Menu:

1. Tab over eight times (to URR Comparison Report)
2. Press <ENTER> (to URR Report Selection Menu)

```
                    REPORT INSTALLATION
                   URR  COMPARISON  REPORT
                      SELECTION MENU

              |   EDIT URR PARAMETERS
              |   GENERATE URR COMPARISON REPORT


PF10=EXIT
```

Figure 3.2.2.5.3-1 URR report selection menu.

3. Press <ENTER> (to edit URR Report Selection Menu - List of IDs)

```
                              REPORT INSTALLATION
R.INST.ID :             YOUR DATABASE INFORMATION
  R.INST.| REP. INSTALLATION NAME          | MAC | MTD |  TIME  |   DATE  |
  51315    LEE FORT

ALL SCREENS : PF1=TOP PF4=NEXT-PAGE PF10=EXIT PF11=PRINT
URR SCREEN  : PF7=ADD  PF8=DELETE
```

Figure 3.2.2.5.3-2 URR report selection menu - list of IDs.

This is a listing of IDs accessible by Fort Lee (51315); however in this learning session there is only Fort Lee. For MACOM and Total Army levels later in the learning sessions, there will be more that one Reporting Installations in this list.(see section 2.4.5.3.1.1, page 2-53)

```
REP.INST.ID :   51315     REPORT INSTALLATION
ID :  1               YOUR DATABASE INFORMATION

      | NUM | APPROPRIATION ID
        1    OMA
        2    OMAR
        3    AIF
        4    RDTE
        5    OPA
        6    AFH
        7    OTHER
        8    NG

PF1=TOP PF7=ADD PF8=DELETE PF10=EXIT PF11=PRINT ENTER=CONTINUE
```

Figure 3.2.2.5.3-3 URR appropriation ID listing.

A listing of appropriations defined for Fort Lee is now available for editing (see section 2.4.5.3.1.2, page 2-54):

6. Type : 1 (for Operation and Maintenance, Army [OMA])
7. Press <ENTER> (to URR Parameters Table)

```
REP.INST.ID :  51315      REPORT INSTALLATION
APPR. ID :  OMA          FACILITY INFORMATION
                            REPORT SCREEN
                      EDIT URR REPORT PARAMETERS

AMS :  K2600         DESC :  ADMINISTRATION
=================================================================
   YEAR       URR KSF              URR K$
   1989       260                  2600
   1990       261                  2601
   1991       262                  2602
   1992       263                  2603
   1993       264                  2604
   1994       265                  2605
   1995       267                  2607
   1996       268                  2608
   1997       269                  2609
   1998       270                  2700

    PF1=TOP  PF2=BOT  PF3=FIND  PF4=NEXT  PF5=EDIT  PF6=PREV  PF7=ADD
    PF8=DEL  PF9=SAVE PF10=EXIT PF11=LIST PF12=DISK
```

Figure 3.2.2.5.3-4 URR parameters table.

(Note: There is already data in the table)

The AMS code and its 10-year URR dollar and URR sq ft (in thousand units) are displayed (see section 2.4.5.3.1.3, page 2-55). Add AMS code K2700, by:

8. Press PF7 (to Add Mode)
9. Type: K2700 (for Bachelor Housing)
10. Tab over one time) (to URR KSF 1989)
11. Type: 2 (for URR KSF)
12. Tab over once (to URR K$)
13. Type: 2 (for URR K$)
14. Press PF9 (to save URR parameters)

(Note: Since this is a learning session, only one value is entered. When entering the real data all the 10 year period will have values.)

```
REP.INST.ID :  51315      REPORT INSTALLATION
APPR. ID :  OMA          FACILITY INFORMATION
                            REPORT SCREEN
                       EDIT URR REPORT PARAMETERS

AMS :  K2700         DESC :  BACHELOR HOUSING
================================================================
   YEAR       URR KSF              URR K$
   1989       2                    2
   1990       0                    0
   1991       0                    0
   1992       0                    0
   1993       0                    0
   1994       0                    0
   1995       0                    0
   1996       0                    0
   1997       0                    0
   1998       0                    0

    PF1=TOP  PF2=BOT  PF3=FIND  PF4=NEXT  PF5=EDIT  PF6=PREV  PF7=ADD
    PF8=DEL  PF9=SAVE PF10=EXIT PF11=LIST PF12=DISK

SUCCESSFUL ADDING THE URR RECORD INTO TABLE
```

Figure 3.2.2.5.3-5 URR parameter table - successfully add K2700.

Learn to delete the added K2700 parameters. To delete an AMS account within an appropriation, you have to position to the appropriate AMS account. Since K2700 is already position, the following commands will delete the AMS account.

15. Press PF8 (to delete mode)
16. Press PF9 (to delete K2700)

```
REP.INST.ID :  51315      REPORT INSTALLATION
APPR. ID :  OMA          FACILITY INFORMATION
                            REPORT SCREEN
                       EDIT URR REPORT PARAMETERS

AMS :  K2600         DESC :  ADMINISTRATION
================================================================
   YEAR       URR KSF              URR K$
   1989       260                  2600
   1990       261                  2601
   1991       262                  2602
   1992       263                  2603
   1993       264                  2604
   1994       265                  2605
   1995       267                  2607
   1996       268                  2608
   1997       269                  2609
   1998       270                  2700

    PF1=TOP  PF2=BOT  PF3=FIND  PF4=NEXT  PF5=EDIT  PF6=PREV  PF7=ADD
    PF8=DEL  PF9=SAVE PF10=EXIT PF11=LIST PF12=DISK

RECORD HAS BEEN DELETED
```

Figure 3.2.2.5.3-6 URR parameter table - successfully delete K2700.

Note that the screen displays the first AMS code: K2600. From URR Parameter Screen,

17. Press PF10 (to URR Appropriation List)

18. Press PF10 (to URR Report Selection Menu - List of IDs)
19. Press PF10 (to URR Report Selection Menu)

```
                    REPORT INSTALLATION
                   URR  COMPARISON  REPORT
                       SELECTION MENU

                |   EDIT URR PARAMETERS
                |   GENERATE URR COMPARISON REPORT


     PF10=EXIT
```

Figure 3.2.2.5.3-7 URR report selection menu.

Learn to generate URR report for Fort Lee (see section 2.4.5.3.2, page 2-55).

From URR Report Selection Menu:

20. Tab over one time (to Generate URR Comparison Report)
21. Press <ENTER> (to Generate URR Comparison Report - list of IDs)

```
                    REPORT INSTALLATION
R.INST.ID :       YOUR DATABASE INFORMATION
  R.INST.| REP. INSTALLATION NAME          | MAC | MTD |  TIME   |  DATE  |
  51315    LEE FORT                         TD    2    12.24.36  08/21/89


ALL SCREENS : PF1=TOP PF4=NEXT-PAGE PF10=EXIT PF11=PRINT
URR SCREEN  : PF7=ADD  PF8=DELETE
```

Figure 3.2.2.5.3-8 URR report - list of IDs.

22. Type: 51315 (for Fort Lee)
23. Press <ENTER> (to URR Report - Reporting Installation and Appropriation)

```
                    REPORT INSTALLATION
              REPORTING INSTALLATION RANGE FOR
               URR COMPARISON REPORT


          PLEASE ENTER THE REPORTING INSTALLATION ID
                 FOR URR REPORT


     REPORTING INSTALLATION ID      : ( 51315 )


     ENTER APPR. ID (1,2,3,4,5,6,7,8,9,A,B)   :   (   )
       1=OMA 2=OMAR 3=AIF 4=RDTE 5=OPA 6=AFH 7=OTHER 8=NG
       9=ALL APPROP.IDS   A=NON-ACTIVE FAC. B=F4C/CY
     ENTER TYPE OF FACILITIES   (A,B,C)          : (   )
       A=ALL  B=PERMANENT   C=TEMPORARY

PF10=EXIT ENTER=SAVE & CONTINUE
```

Figure 3.2.2.5.3-9 URR report - reporting installation and appropriation.

24. Type: 9 (for all appropriations)
25. Type: A (for permanent and temporary facilities)
26. Press <ENTER> (to URR report - URR Comparison Report Menu)

```
                    REPORT INSTALLATION
                    FACILITY INFORMATION
                       REPORT SCREEN
                   URR COMPARISON REPORT
=================================================================

  Enter the low  AMS Code :   K0000
  Enter the high AMS Code :   K9999

  Enter the starting year :   1989
  Enter the number of years to report :  10

  Select only 1,2,3 or 4 :  4
    1.RMF        2.ARM
    3.MRT        4.TOTAL

  Enter the filename for the report   :

  Enter the  description for file  :

   PF1=RUN  PF5=EDIT  PF10=EXIT
```

Figure 3.2.2.5.3-10 URR report screen.

You must enter the filename by which the report will be stored in the mainframe computer. Using different filenames allows different reports to be generated and saved for later functions, such as viewing and printing during the learning session. These files will be erased when the user logs off the MRPM

system. The description of file is optional; it allows the user to give a verbal description on the information contained in the file. The file is named and described as follows:

27. Type: FORTLEE (for Fort Lee)
28. Tab over one time (to file description)
29. Type : THIS IS THE URR REPORT FOR FORT LEE
30. (Press PF1) (to generate the URR report)

When the report is completed, the following message will appear :

"REPORT GENERATED.GO BACK TO REPORT MENU TO PRINT. PF10=EXIT"

31. Press PF10 (to go back to URR Report - List of IDs)
32. Press PF10 (to go back to URR Report Selection Menu)
33. Press PF10 (to go back to Facility Report Selection Menu)

```
                REPORT INSTALLATION
               FACILITY INFORMATION
                FACILITY REPORTS

| F4C/AMS ORGANIZATIONAL SUMMARY REPORT
    | REVIEW REPORTS
    | PRINT F4C/AMS REPORT MENU
    | GENERATE F4C/AMS REPORT ON DISK

| 3 DIGIT F4C SUMMARY REPORT
    | REVIEW 3 DIGIT F4C REPORT
    | PRINT 3 DIGIT F4C REPORT
    | GENERATE 3 DIGIT F4C REPORT ON DISK

| URR COMPARISON REPORT
    | REVIEW URR REPORT
    | PRINT URR REPORT
    | GENERATE URR REPORT ON DISK
```

Figure 3.2.2.5.3-11 Facility report selection menu.

To print the generated URR report:

34. Tab over 10 times (to Print URR Report)
35. Press <ENTER> (to Print URR Report - list of files)

```
FILENAME  :                REPORT INSTALLATION
DISK FILENAME :
  | FILENAME | FILE DESCRIPTION                                    |
    FORTLEE    THIS IS THE URR REPORT FOR FORT LEE

ALL SCREENS : PF1=TOP PF4=NEXT PF8=DELETE PF10=EXIT ENTER=PRINT
```

Figure 3.2.2.5.3-12 Print URR report - list of files.

(Note: Make sure your printer is hooked to the computer)

36. Type: FORTLEE (for the filename in which the URR Report is stored)
37. Press <ENTER> (to print the URR report)

When printing is finished,

38. Press PF10 (to Facility Report Selection Menu)
39. Press PF10 (to Facility Information Selection Menu)
40. Press PF10 (to MRPM Main Menu)
41. Press PF10 (to Army User Priority Menu)

3.2.2.5.4 Army User Priority Level.

```
                    ARMY LEVEL
          MAINTENANCE PREDICTION MODEL

            ARMY USER PRIORITY MENU

MRPM USER PRIORITY LEVELS :
   | TOTAL ARMY LEVEL
   | MACOM RANGE LEVEL
   | SPECIFIC MACOM LEVEL
   | REPORTING INSTALLATION RANGE LEVEL
   | REPORTING INSTALLATION LEVEL

MISCELLANEOUS FUNCTIONS :
   | QUIT THE SYSTEM
   | REVIEW WHOLE ARMY DATABASE
   | REORGANIZE THE CURRENT MRPM DATABASE
```

Figure 3.2.2.5.4-1 Army user priority level menu.

At this screen, you can continue the basic training for MACOM level (see Section 3.3, page 3-54), or continue to log off as follows:

1. Tab over five times (to quit the system)
2. Press <ENTER> (to MRPM CMS menu)

```
                MAINTENANCE PREDICTION MODEL

                    USERS LOGIN MENU

MRPM LOGIN     :   LEARN
MRPM PASSWORD  :

CURRENT USERS STATUS :   1
1. UPDATE  2. READ ONLY

DO YOU WANT TO GIVE UP YOU UPDATING RIGHT (Y/N)  :

PRESS PF10 TO EXIT SYSTEM
```

Figure 3.2.2.5.4-2 MRPM login screen.

3. Type: Y (so that other user can have update right)
4. Press <ENTER> (to MRPM CMS Main Menu)

```
*********************************************************
MRPM CMS MAIN MENU
---------------------------------------------------------
SELECTIONS :

M - TO ENTER THE MRPM SYSTEM
D - QUERY DISK STORAGE
Q - QUIT THE MENU

---------------------------------------------------------
TYPE M,D, OR Q PRESS <ENTER>
*********************************************************
```

Figure 3.2.5.4-3 MRPM CMS main menu.

3.2.3 Logging Off.

To log off from mainframe computer to your PC, from MPRM CMS main menu,

1. Type: Q (to quit the menu)
2. Press <ENTER> and wait for the following screen:

```
*********************************************************
TO LOG OFF TO YOUR PC :
TYPE PC <ENTER>

TO REENTER MRPM SYSTEM :
TYPE : MRPM
(PRESS ENTER KEY)

*********************************************************
R; T=8.61/10.78 18:34:16
```

Figure 3.2.3-1 Logoff screen.

3. Type: PC
4. Press <ENTER> (to logoff to PC DOS environment) and wait for DOS prompt, C:\SIMPC.

3.3 MACOM Level.

3.3.1 Entering MRPM From User Priority Screen. (see Section 2.1.3, page 2-5)

You can either use the 3.2.1 commands to log on until the following screen OR, after finishing section 3.2, the learning session for Reporting Installation Level, you can continue this section. The learning session for this section is the same as that of "Reporting Installation" (see section 3.2, page 3 4).

```
                                    ARMY LEVEL
UPDATING MODE               MAINTENANCE PREDICTION MODEL

                              ARMY USER PRIORITY MENU

          MRPM USER PRIORITY LEVELS :
             | TOTAL ARMY LEVEL
             | MACOM RANGE LEVEL
             | SPECIFIC MACOM LEVEL
             | REPORTING INSTALLATION RANGE LEVEL
             | REPORTING INSTALLATION LEVEL

          MISCELLANEOUS FUNCTIONS :
             | QUIT THE SYSTEM
             | REVIEW WHOLE ARMY DATABASE
             | REORGANIZE THE CURRENT MRPM DATABASE
```

Figure 3.3.1-1 User priority screen.

(Notes: The operating mode is shown on the top left corner of the following screens, either "READING MODE" or "UPDATING MODE." "READING MODE" indicates that the user is only allowed to view and generate reports from the current database. "UPDATING MODE" indicates that the user is allowed to update the database in addition to viewing and generating reports. "READING MODE" appears when someone is updating a database that subsequent users can only use under the "READING MODE." The system allows one user to update and many users to view the database.)

To use the system at MACOM Level for MIL DISTRICT OF WASHINGTON (MACOM ID:EA):

1. Tab over two times (to Specific MACOM Level)
2. Press <ENTER> (to use at MACOM Level)

```
LOW  MACOM :                    ARMY LEVEL
HIGH MACOM :        YOUR DATABASE INFORMATION

  MACOM  | MACOM NAME
  AA       CORPS OF ENGINEER
  EA       MIL DISTRICT OF WASHINTON
  HA       NATIONAL SECURITY AGENCY
  TD       TRNING & DOCTRINE COMMAND
  UA       INFORMATION SYS COMMAND
  VA       BALLISTIC MISSLE DEF SYS CMD

     PF1=TOP  PF2=LAST  PF4=NEXT  PF6=PREV  PF10=EXIT PF11=PRINT
```

Figure 3.3.1-2 MACOM listing.

The system will produce a complete list of MACOMs on the screen for your review. To review the list to locate the MIL DISTRICT OF WASHINGTON (EA):

3. Type: EA (for MIL DISTRICT OF WASHINGTON)
4. Press <ENTER>

```
UPDATING MODE            SPECIFIC MACOM LEVEL
                       DATABASE STORAGE SELECTION :

  I. REPORTING INSTALLATION OPTION:

   1.DELETE ALL REPORTING INSTALLATION IN MACOM
   2.DELETE A RANGE OF REPORTING INSTALLATION IN MACOM
   3.DELETE A SPECIFIC REPORTING INSTALLATION IN MACOM
   4.CONTINUE TO MRPM MAIN MENU

PLEASE ENTER 1, 2, 3, OR 4   ---> (   )

  II. CRITERIA :
   A. DELETE ALL THE FACILITIES INFORMATION
   B. DELETE ONLY THE RESOURCE SUMMARY FILES

PLEASE ENTER A OR B ---> (   )

PF1 = REVIEW CURRENT DATABASE  PF10=EXIT

-------------------MESSAGES-----------------------------------
```

Figure 3.3.1-3 Database storage selection.

5. Type: 4 (to continue to MRPM main menu).
6. Press <ENTER>

```
EA                          SPECIFIC MACOM LEVEL
UPDATING MODE        Maintenace Resource Prediction Model
                              LEARN DATABASE

                    ## ## ##                          ## ## ##
                    #########                         #########
                     ########        ### ### ###       ########
                     ##    ##        ############      ##    ##
                     ##    ##         ###########      ##    ##
                     ########         ###########      ########
                    ##############################################
                    ##    #####    ####        ####    ####    ##
                    ##    #####    ####        ####    ####    ##
                    ##    ############        ############    ##
                   ##################          ##################
                   ##################          ##################
                   ##################          ##################
                   ##################          ##################

                        <   PRESS   ENTER   TO   MRPM   >
```

Figure 3.3.1-4 MRPM banner.

The top left corner of the screen shows the title "EA," indicating you are using the system at MIL DISTRICT OF WASHINGTON (EA) MACOM level.

7. Press <ENTER> (to MRPM Main Menu)

```
EA                          SPECIFIC MACOM LEVEL
UPDATING MODE            MAINTENANCE PREDICTION MODEL

                                 MAIN MENU

                        |   BASIC INFORMATION
                        |   FACILITY INFORMATION
                        |   MRPM BATCH PROCESSING MODE
                        |   REVIEW CURRENT DATABASE

PF10=EXIT
```

Figure 3.3.1-5 Maintenance prediction model - main menu.

3.3.2 Facility Information. (see Section 2.4.1, page 2-28)

You want to create a MACOM facility summary containing all Reporting Installations for the Military District of Washington. The lowest Installation ID is 11605 for Fort McNair. The highest Installation ID is 51375 for Fort Myer.

The first step is to create summary models by combining the individual facilities in the HQ-IFS Assets Database. Form modules of all appropriations by F4C and construction year, and store under the MACOM ID with a Reporting Installation ID of ***EA. Use the standard General Facility Information default values:

1. Tab over once (to Facility Information)
2. Press <ENTER>

```
EA                          SPECIFIC MACOM LEVEL
UPDATING MODE             FACILITY INFORMATION
                               SELECTION MENU

                    |     RESOURCE CALCULATION
                    |     DISPLAY RESOURCES - TABLE FORM
                    |     GENERAL INFORMATION
                    |     FACILITY REPORTS
                    |     MODEL FACILITY
                    |     REVIEW CURRENT DATABASE

 PRESS PF10 TO RETURN TO PREVIOUS MENU
```

Figure 3.3.2-1 Facility information screen.

3. Tab over four times (to Model Facility option)
4. Press <ENTER> (to Model Facility screen)

3.3.2.1 Model Facility. (see Section 2.4.6 and 2.4.6.2, pages 2-61 to 2-62)

```
SPECIFIC MACOM LEVEL
FACILITY INFORMATION
   IFS  MODELLING
   SELECTION MENU

|   MODEL BY APPROPRIATIONS/F4C/CONSTRUCTION YEAR

|   MODEL BY F4C/CONSTRUCTION YEAR
```

Figure 3.3.2.1-1 IFS modelling selection menu.

1. Press <ENTER> (to Modelling by Appropriation/F4C/Construction Year)

```
                SPECIFIC MACOM LEVEL
          REPORTING INSTALLATION INFORMATION
              MODEL FACILITY : FROM IFS DATABASE

APPROPRIATION ID  : (   )
  1=OMA 2=OMAR 3=AIF 4=RDTE 5=OPA 6=AFH 7=OTHER 8=NG
  9=ALL A=NON-ACTIVE

INSTALLATION RANGE :
A. ENTER STARTING REPORTING INSTALLATION NUMBER OR ALL : (       )
B. ENTER ENDING  REPORTING  INSTALLATION NUMBER        : (       )

MODELLING METHOD (ENTER A,B,C,OR D) : (   )
A. BY F4C & CONSTRUCTION YEAR STORED UNDER MACOM ID : (***?)
B. BY F4C & CONSTRUCTION YEAR STORED UNDER REPORTING INSTALLATION
C. BY F4C & CONSTRUCTION YEAR STORED UNDER INSTALLATION
D. BY INDIVIDUAL FACILITY STORED UNDER INSTALLATION

EDIT FACILITY GENERAL INFORMATION DEFAULT VALUES (Y/N) : (   )
-----------------------------------------------------------------
>    PF1=RUN AS IT  PF10=EXIT  PF13=PRINT ERROR

--------------------MESSAGES-----------------------------------
```

Figure 3.3.2.1-2 Model facility screen.

Model, from IFS database for Reporting Installation, the range 11605 to 51375 by all appropriations stored under MACOM ID (***EA):

2. Type: 9 (for all appropriations)
3. Type: 11605 (for starting Reporting Installation ID)
4. Type: 51375 (for ending Reporting Installation ID)
5. Type: A (for modelling method)
6. Type: N (using default parameters)
7. Press <ENTER> (to save parameters)
8. Press PF1 (to model facility)

(Note: You will see messages at the bottom line of screen) until modelling is finished, when you will see the message:

MODELLING FINISHED! NO. OF FACILITIES-> 4

All of the individual facilities for all Reporting Installations have been combined into four summary facility groups. Review the error messages by pressing:

9. Press PF13 or <shift><PF3> (to print errors)

```
                    MRPM ERROR FILE                          08/25/89
*************************************************************
* Desciptions:  i) FUNCTION indicates which MRPM functions   *
*              ii) PROGRAM indicates which program.          *
*             iii) LINE    indicates which line.             *
*              iv) ERROR   indicates the error message.      *
*               v) REP. INST. indicates which  id.           *
*=========================================================*
*          LISTING OF ERRORS                                *
*************************************************************
=========================================================
START MODELLING : 15.58.06
FINISH MODELLING : 15.58.34
```

Figure 3.3.2.1-3 Modelling error file.

Notice that no error message appears between the start and finish rows on the error file. Exit the current screen to examine the information for the facilities you have modelled.

10. Press PF10 (to IFS Modelling Selection Menu)
11. Press PF10 (to Facility Information Selection Menu)

```
EA                              SPECIFIC MACOM LEVEL
UPDATING MODE                 FACILITY INFORMATION
                                  SELECTION MENU

                             | RESOURCE CALCULATION
                             | DISPLAY RESOURCES - TABLE FORM
                             | GENERAL INFORMATION
                             | FACILITY REPORTS
                             | MODEL FACILITY
                             | REVIEW CURRENT DATABASE


 PRESS PF10 TO RETURN TO PREVIOUS MENU
```

Figure 3.3.2.1-4 Facility information selection menu.

Review the current database to see what has been modelled (see Section 2.4.7, page 2-65):

12. Tab over five times (to Review Current Database)
13. Press <ENTER>

```
                         SPECIFIC MACOM LEVEL
                    YOUR DATABASE INFORMATION

R.INST.| REP. INSTALLATION NAME          | MAC | MTD |  TIME  |  DATE  |
***EA    MIL DISTRICT OF WASHINGTON        EA    5


 PF1=TOP  PF4=NEXT  PF10=EXIT PF11=PRINT
```

Figure 3.3.2.1-5 Current database information.

This is your view of the current database accessible by your MACOM ID.

All summary information has been stored under the Reporting Installation ID of ***EA.

Go back to the Facility Information Screen Menu to further examine the general information of the facilities that have been modelled under MILITARY DISTRICT OF WASHINGTON by:

14. Press PF10 (to Facility Information Selection Menu)

```
EA                          SPECIFIC MACOM LEVEL
UPDATING MODE             FACILITY INFORMATION
                               SELECTION MENU

                        RESOURCE CALCULATION
                        DISPLAY RESOURCES - TABLE FORM
                        GENERAL INFORMATION
                        FACILITY REPORTS
                        MODEL FACILITY
                        REVIEW CURRENT DATABASE

 PRESS PF10 TO RETURN TO PREVIOUS MENU
```

Figure 3.3.2.1-6 Facility information selection menu.

15. Tab over twice (to General Information)
16. Press <ENTER> (to General Information screen)

3.3.2.2 General Information. (see Section 2.4.4, page 2-35)

You can examine the information for the facility group modelled, but you must view the facility information of one reporting installation at a time.

```
                              SPECIFIC MACOM LEVEL
R.INST.ID :                YOUR DATABASE INFORMATION
  R.INST.| REP. INSTALLATION NAME          | MAC | MTD |  TIME  |   DATE  |
  ***EA    MIL DISTRICT OF WASHINGTON       EA    5

  ALL SCREENS : PF1=TOP PF4=NEXT-PAGE PF10=EXIT PF11=PRINT
  URR SCREEN  : PF7=ADD  PF8=DELETE
```

Figure 3.3.2.2-1 General information - list of IDs.

This is a listing of all the Reporting Installations accessible by the MILITARY DISTRICT OF WASHINGTON MACOM.

To view Information of MILITARY DISTRICT OF WASHINGTON stored under ***EA:

1. Type: ***EA (to review General Information of MILITARY DISTRICT OF WASHINGTON)
2. Press <ENTER>(to General Information screen)

The following screen shows the information for the facilities one at a time.

```
                        SPECIFIC MACOM LEVEL
                        FACILITY INFORMATION
                    GENERAL FACILITY INFORMATION
REPORT INSTALLATION ID :  ***EA    ID NAME:  MIL DISTRICT OF WASHINGTON
MACOM ID :  EA
        INSTALLATION    :   01
        AREA:               01     NO DESCRIPTION
        FACILITY ID:        A71111C00 (      1 BLD FACILITIES          )
        F4C CODE:           7111100        FH GEN
        NUMBER IN F/G             1
        TRAVEL ZONE:         1
        SQUARE FEET:                 1000
        CONSTRUCTION YEAR:   1900
        W/P METHOD INDEX:    5      NO DESCRIPTION
        SPECIAL CONDITION MULTIPLIER ID:  01  DEFAULT SP COND MODIF
        SCHEDULED DISPOSAL DATE:
        LAST CHANGE DATE:
        LAST CALCULATION DATE:
        FACILITY FUNDING PROFILE:  01
        CALCULATION MODELING ID (1-4): 2  UNIT COST BY AGE
        ACCOUNTING ID :  OMA    Permanent
    PF1=TOP  PF2=BOT  PF3=FIND   PF4=NEXT   PF5=EDIT  PF6=PREV  PF7=ADD
PF8=DEL  PF9=SAVE PF10=EXIT  PF11=LIST  PF12=DISK PF14=PRINT
```

Figure 3.3.2.2-2 General facility information.

You can move about the facilities with this screen. Press function keys PF4, PF4, PF4, PF6, PF6, PF2, PF6, PF1 in sequence to study how the function keys work. To find a facility, you can type any facility ID. If it is not found, its neighboring facility will be displayed. To locate a sample facility:

3. Press PF3 (to get into finding mode)
4. Type: 01 (for installation)
5. Tab over once
6. Type: 01 (for area)
7. Type: L71111C82 (for Facility ID)
8. Press PF9 (to find facility)

```
                        SPECIFIC MACOM LEVEL
                        FACILITY INFORMATION
                    GENERAL FACILITY INFORMATION
REPORT INSTALLATION ID :  ***EA    ID NAME:  MIL DISTRICT OF WASHINGTON
MACOM ID :  EA
        INSTALLATION    :   01
        AREA:               01     NO DESCRIPTION
        FACILITY ID:        L71111C82 (     1 BLD FACILITIES          )
        F4C CODE:           7111100        FH GEN
        NUMBER IN F/G             1
        TRAVEL ZONE:         1
        SQUARE FEET:               1000
        CONSTRUCTION YEAR:   1982
        W/P METHOD INDEX:    5
        SPECIAL CONDITION MULTIPLIER ID:  01  DEFAULT SP COND MODIF
        SCHEDULED DISPOSAL DATE:
        LAST CHANGE DATE:
        LAST CALCULATION DATE:
        FACILITY FUNDING PROFILE:  01
        CALCULATION MODELING ID (1-4): 2  UNIT COST BY AGE
        ACCOUNTING ID :  OMA    Temporary
 L  PF1=TOP  PF2=BOT  PF3=FIND   PF4=NEXT   PF5=EDIT  PF6=PREV  PF7=ADD
PF8=DEL  PF9=SAVE PF10=EXIT  PF11=LIST  PF12=DISK PF14=PRINT
```

Figure 3.3.2.2-3 General facility information - find.

Press PF1, PF2, PF4, PF6, PF1 in sequence to study how the function keys work.

End this session and go on to 3.4.2.3 "Resource Calculation" by pressing PF10, or continue with learning PF5, PF7, PF8, PF9 (more advanced use of function keys; see 3.2.2.2.1, 3.2.2.2.2, 3.2.2.2.3, pages 3-21 to 3-24).

9. Press PF10 (to General Information - List of IDs)
10. Press PF10 (to Facility Information Selection Menu)

```
EA                          SPECIFIC MACOM LEVEL
UPDATING MODE             FACILITY INFORMATION
                               SELECTION MENU


                        RESOURCE CALCULATION
                        DISPLAY RESOURCES - TABLE FORM
                        GENERAL INFORMATION
                        FACILITY REPORTS
                        MODEL FACILITY
                        REVIEW CURRENT DATABASE
```

Figure 3.3.2.2-4 Facility information selection menu.

3.3.2.3 Resource Calculation. (see Section 2.4.2.2, page 2-30)

To calculate all facilities in all appropriations for the MIL DISTRICT OF WASHINGTON (***EA) using the United States - permanent and temporary unit cost database and the method specified in Facility Record, from Facility Information Selection Menu:

1. Press <ENTER> (to Resource Calculation - Database & Facility Type Selection Menu)

```
                SPECIFIC MACOM LEVEL
                 FACILITY INFORMATION
            RESOURCE CALCULATION SELECTION MENU


      DATABASE USED IN CALCULATION (A, B, C) :( B )
           A. TOTAL F4C DATABASE
           B. UNITED STATES - PERMANENT & TEMPORARY DATABASE
           C. EUROPE DATABASE

      ENTER THE TYPE OF FACILITIES TO BE PROCESSED ( A, B, C) :( A )
           A. PERMANENT & TEMPORARY FACILITIES OR ALL
           B. PERMANENT FACILITIES ONLY
           C. TEMPORARY FACILITIES ONLY



      PF4=NEXT SCREEN PF5=EDIT  PF9=SAVE  PF10=EXIT
```

Figure 3.3.2.3-1 Resource calculation - database & facility type selection menu.

2. Press PF4 (using the default parameters)

```
                SPECIFIC MACOM LEVEL
            REPORTING INSTALLATION RANGE FOR
          RESOURCE CALCULATION AT MACOM LEVEL


          PLEASE ENTER THE REPORTING INSTALLATION ID
                 FOR RESOURCE CALCULTAION


      LOW REPORTING INSTALLATION ID    (OR ALL)  :  (        )
      HIGH REPORTING INSTALLATION ID             :  (        )

      ENTER APPROPRIATION ID (1,2,3,4,5,6,7,8,9)       :  (    )
         1=OMA 2=OMAR 3=AIF 4=RDTE 5=OPA 6=AFH 7=OTHER 8=NG
         9=ALL IDS


   PF10=EXIT P11=LIST-ID  ENTER=SAVE & CONTINUE
```

Figure 3.3.2.3-2 Reporting installation range & appropriation.

3. Type: ***EA (for Low Reporting Installation ID)
4. Type: ***EA (for High Reporting Installation ID)
5. Type: 9 (for all appropriations)
6. Press <ENTER> (to Resource Calculation - Screen 1)

```
                    SPECIFIC MACOM LEVEL
                    FACILITY INFORMATION
                    RESOURCE CALCULATION

   NAME OF INSTALLATION:   MIL DISTRICT OF WASHINGTON
   BEGINNING REPORT YEAR:  1989          ENDING REPORT YEAR:  1998
   MATERIAL ADJUSTMENT FACTOR:    1.04

MODELLING METHOD  :  5
   1. NOT ACTIVE AT PRESENT
   2. UNIT COST BY FACILITY AGE
   3. GROSS FLOOR AREA (NOT ACTIVE)
   4. RECURRING MAINTENANCE FACTORS (NOT ACTIVE)
   5. USE THE ITEM SPECIFIED IN FACILITY RECORD

UNIT COST ADJUSTMENT FACTOR : (  1.200 )
RMF ADJUSTMENT FACTOR       : (  1.000 )

FACILITY TYPE TO BE PROCESSED: ( 1 )
     1.BLD AND NON-BLD    2.BLD ONLY   3.NON-BLD ONLY

      PF1=RUN AS IS  PF5=EDIT  PF9=SAVE PF10=EXIT  ENTER=NEXT SCREEN
 L    PF13=PRINT ERROR
```

Figure 3.3.2.3-3 Resource calculation - screen 1.

Use the default values as shown to run the calculations:

7. Press PF1 (to run calculation)

Messages will appear at the bottom of the screen to inform you that calculation is in progress. When the calculation is finished, you will see the message:

CALCULATION FINISHED! PRESS PF10 TO CONTINUE...NUM OF FAC --> 4

8. Press PF13 or <shift><PF3> (to print error messages; wait until the printing is finished).

```
                MRPM ERROR FILE                          08/25/89
*************************************************************
* Desciptions:  i) FUNCTION indicates which MRPM functions   *
*              ii) PROGRAM indicates which program.          *
*             iii) LINE    indicates which line.             *
*              iv) ERROR   indicates the error message.      *
*               v) REP. INST. indicates which  id.           *
*===========================================================*
*          LISTING OF ERRORS                                *
*************************************************************
*************************************************************
CALCULATING REP. INST. : ***EA
STARTING TIME : 16.19.33
FINISH CALCULATING REP. INST. : ***EA
ENDING TIME : 16.19.35
*************************************************************
```

Figure 3.3.2.3-4 Resource calculation - error file.

Note that there is no error printed between the starting and ending row on the printout.

9. Press PF10 (to Reporting Installation Range & Appropriation)
10. Press PF10 (to Resource Calculation - Database & Facility Type Selection Menu)
11. Press PF10 (to Facility Information Selection Menu)

```
EA                        SPECIFIC MACOM LEVEL
UPDATING MODE           FACILITY INFORMATION
                             SELECTION MENU


                        RESOURCE CALCULATION
                        DISPLAY RESOURCES - TABLE FORM
                        GENERAL INFORMATION
                        FACILITY REPORTS
                        MODEL FACILITY
                        REVIEW CURRENT DATABASE


 PRESS PF10 TO RETURN TO PREVIOUS MENU
```

Figure 3.3.2.3-5 Facility information selection menu.

3.3.2.4 Display Resources - Table Form. (see Section 2.4.3, page 2-33)

You may review only one Reporting Installation at a time. To display the facility resources calculated for MILITARY DISTRICT OF WASHINGTON, from the Facility Information Selection Menu:

1. Tab over one time (to Display Resource Table)
2. Press <ENTER>

```
                          SPECIFIC MACOM LEVEL
R.INST.ID :          YOUR DATABASE INFORMATION
  R.INST.| REP. INSTALLATION NAME          | MAC | MTD |  TIME  |  DATE  |
  ***EA    MIL DISTRICT OF WASHINGTON       EA    5    16.19.35  08/25/89

ALL SCREENS : PF1=TOP PF4=NEXT-PAGE PF10=EXIT PF11=PRINT
URR SCREEN  : PF7=ADD  PF8=DELETE
```

Figure 3.3.2.4-1 Display resources - list of IDs.

This is a listing of Reporting Installations accessible by MACOM: ***EA. Since there is only ***EA (MIL DISTRICT OF WASHINGTON), review ***EA. The title R.INST is the Reporting Installation ID; REP. INSTALLATION NAME is the field name for the Reporting Installation; MAC is the MACOM it belongs to; MTD is the calculation method; 5 indicates that the Reporting Installation is using the calculation method of "facility" in the General Information. TIME is the calculation time; DATE is the date of calculation.

To review MILITARY DISTRICT OF WASHINGTON facility resources:

3. Type: ***EA (for the Reporting Installation ID)
4. Press <ENTER>

```
FACILITY ID :  A71111C00   F4C DESC. :  FH GEN
REP. INST.  :      ***EA   NUMBER OF FACILITIES :          1
INSTALLATION :      01     TOTAL SQUARE FOOTAGE :       1000
AREA        :        01   TOTAL TEN YEARS COST :     175720
     YEAR          1989        1990        1991        1992        1993

 RMF                  0           0           0           0           0
 A.R.M             6040        6040        6040        6040        6040
 M.R.T            11532       11532       11532       11532       11532

 TOTALS           17572       17572       17572       17572       17572

-----------------------------------------------------------------------
     YEAR          1994        1995        1996        1997        1998

 RMF                  0           0           0           0           0
 A.R.M.            6040        6040        6040        6040        6040
 M.R.T.           11532       11532       11532       11532       11532

 TOTALS           17572       17572       17572       17572       17572

   PF1=TOP PF2=BOTTOM  PF3=FIND  PF4=NEXT PF6=PREV  PF10=EXIT
```

Figure 3.3.2.4-2 Display resources - table form.

Try PF4, PF2, PF6, PF6 in sequence to study how the function keys work.

To find a facility with ID = L71111C82, subinstallation = 01, and area = 01:

5. Press PF3 (to get into the finding mode)
6. Type: L71111C82 (for Facility ID)
7. Type: 01 (for Installation)
8. Tab over one time
9. Type: 01 (for area) 10.Press PF9 (to find)

```
FACILITY ID :  L71111C82   F4C DESC. :  FH GEN
REP. INST.  :      ***EA   NUMBER OF FACILITIES :            1
INSTALLATION :      01     TOTAL SQUARE FOOTAGE :         1000
AREA        :        01   TOTAL TEN YEARS COST :        146390
     YEAR          1989        1990        1991        1992        1993

 RMF                  0           0           0           0           0
 A.R.M             6602        6602        6602        6602        6602
 M.R.T            12343        3732        6602        9472       12343

 TOTALS           18945       10333       13204       16074       18945

-----------------------------------------------------------------------
     YEAR          1994        1995        1996        1997        1998

 RMF                  0           0           0           0           0
 A.R.M.            6602        6602        6602        6602        6602
 M.R.T.            3732        6602        9472       12343        3732

 TOTALS           10333       13204       16074       18945       10333

   PF1=TOP PF2=BOTTOM  PF3=FIND  PF4=NEXT PF6=PREV  PF10=EXIT
```

Figure 3.3.2.4-3 Display resources - table form (find).

11. Press PF10 (to Display Resources - list of IDs)
12. Press PF10 (to Facility Information Selection Menu)

```
EA                        SPECIFIC MACOM LEVEL
UPDATING MODE           FACILITY INFORMATION
                             SELECTION MENU


                        RESOURCE CALCULATION
                        DISPLAY RESOURCES - TABLE FORM
                        GENERAL INFORMATION
                        FACILITY REPORTS
                        MODEL FACILITY
                        REVIEW CURRENT DATABASE


     PRESS PF10 TO RETURN TO PREVIOUS MENU
```

Figure 3.3.2.4-4 Facility information selection menu.

3.3.2.5 Facility Reports. (see Section 2.4.5, page 2-38)

Generate and display all reports: (1) F4C/AMS Organizational Summary Report, (2) 3-Digit F4C Report, and (3) URR Comparison Report.

Generate F4C/AMS Organizational Summary Report first from Facility Information Selection Menu:

1. Tab over three times (to Facility Report)
2. Press <ENTER> (to Facility Report Selection Menu)

```
                    SPECIFIC MACOM LEVEL
                   FACILITY INFORMATION
                     FACILITY REPORTS

| F4C/AMS ORGANIZATIONAL SUMMARY REPORT
    | REVIEW REPORTS
    | PRINT F4C/AMS REPORT MENU
    | GENERATE F4C/AMS REPORT ON DISK

| 3 DIGIT F4C SUMMARY REPORT
    | REVIEW 3 DIGIT F4C REPORT
    | PRINT 3 DIGIT F4C REPORT
    | GENERATE 3 DIGIT F4C REPORT ON DISK

| URR COMPARISON REPORT
    | REVIEW URR REPORT
    | PRINT URR REPORT
    | GENERATE URR REPORT ON DISK
```

Figure 3.3.2.5-1 Facility report selection menu.

3. Press <ENTER> (to F4C/AMS Organizational Summary Report)

3.3.2.5.1 F4C/AMS Organizational Summary Report. (see section 2.4.5.1, page 2-39)

Generate a F4C report covering all AMS codes for the MACOM (***EA) including all appropriations and all facilities. Generate reports for Reporting Installation, Installation, Area, Facility (subtotals), and Facility (totals).

```
                    SPECIFIC MACOM LEVEL
              REPORTING INSTALLATION RANGE FOR
               RESOURCE SUMMARY AT MACOM LEVEL


          PLEASE ENTER THE REPORTING INSTALLATION ID
                 FOR RESOURCE SUMMARY


        LOW REPORTING INSTALLATION ID (OR ALL)  :  (        )
        HIGH REPORTING INSTALLATION ID          :  (        )

        ENTER APPROPRIATION ID (1,2,3,4,5,6,7,8,9):(    )
        1=OMA 2=OMAR 3=AIF 4=RDTE 5=OPA 6=AFH 7=OTHER 8=NG
        9=ALL APPROP.IDS   A=NON-ACTIVE FAC. B=F4C/CY
        ENTER TYPE OF FACILITIES (A,B,C)          : (    )
        A=ALL  B=PERMANENT   C=TEMPORARY

    PF10=EXIT PF11=LIST-ID ENTER=SAVE & CONTINUE
```

Figure 3.3.2.5.1-1 Reporting installation range & appropriation ID screen.

To generate a report for the MIL DISTRICT OF WASHINGTON (***EA) for all appropriations and all permanent and temporary facilities:

1. Type: ***EA (for Low Reporting Installation ID)
2. Type: ***EA (for High Reporting Installation ID)
3. Type: 9 (for all appropriations)
4. Type: A (for permanent and temporary facilities)
5. Press <ENTER> (to F4C/AMS Report Screen.

```
                    SPECIFIC MACOM LEVEL
                    FACILITY INFORMATION
                      FACILITY REPORTS
            F4C/AMS ORGANIZATIONAL SUMMARY REPORT

  SELECT ONE OF THE FOLLOWING TWO METHODS (A/B):
    A. ENTER LOW AMS OR ALL:
       ENTER HIGH AMS:
    B. ENTER LOW F4C OR ALL:
       ENTER HIGH F4C:
-------------------------------------------
SELECT REPORTS TO BE GENERATED :
      REPORTING INSTALLATION       :
      INSTALLATION                 :
      AREA                         :
      FACILITY (WITH SUBTOTAL)     :
      FACILITY (WITH TOTALS)       :
    ENTER LOW FACILITY ID OR ALL:
    ENTER HIGH FACILITY ID:

  RUN REPORT (Y/N)

              PF10=EXIT  ENTER=SAVE & CONTINUE
```

Figure 3.3.2.5.1-2 Facility report screen.

6. Type: B (for reporting method)
7. Press <ENTER>
8. Type: 0000000 (for Low F4C)
9. Type: 9999999 (for High F4C)
10. Press <ENTER>
11. Type: Y, Y, Y, Y, Y, ALL
12. Press <ENTER>
13. Type: Y (for run report)
14. Press <ENTER> (to generate report)

When reports are finished:

15. Press PF10 (to Reporting Installation Range and Appropriation Screen)
16. Press PF10 (to Facility Report Selection Menu)

After reports are generated, we can view the F4C/AMS Organizational Summary Report on screen (see Section 2.4.5.1, page 2-39).

17. Tab over once (to Review Report)
18. Press <ENTER>

```
SPECIFIC MACOM LEVEL
FACILITY INFORMATION
REVIEW   REPORTS
PRINT REPORTS SELECTION MENU

REVIEW F4C/AMS REPORT - REPORTING INSTALLATION
REVIEW F4C/AMS REPORT - INSTALLATION
REVIEW F4C/AMS REPORT - AREA
REVIEW F4C/AMS REPORT - FACILITY (SUBTOTALS)
REVIEW F4C/AMS REPORT - FACILITY (TOTALS)
```

Figure 3.3.2.5.1-3 Review reports selection menu.

3.3.2.5.1.1 Review Report - Reporting Installation. (see Section 2.4.5.1.4.1, page 2-43) - Review F4C/AMS Organizational Summary Report by Reporting Installation on screen. To begin reviewing reports:

1. Press <ENTER> (to Review Report for Reporting Installation)

```
FACILIT Y ID :              F4C DESC. :
REP. INST.   :      ***EA   NUMBER OF FACILITIES :          4
INSTALLATION :              TOTAL SQUARE FOOTAGE :       3010
AREA         :              TOTAL TEN YEARS COST :     396869
     YEAR          1989        1990        1991        1992        1993

 RMF                 13          13          13          13          13
 A.R.M            14751       14751       14751       14751       14751
 M.R.T            30851       23863       20243       24736       29229

 TOTALS           45615       38626       35007       39500       43993

-----------------------------------------------------------------------
     YEAR          1994        1995        1996        1997        1998

 RMF                 13          13          13          13          13
 A.R.M.           14751       14751       14751       14751       14751
 M.R.T.           22240       26733       23113       27607       20618

 TOTALS           37004       41497       37877       42370       35381

   PF1=TOP PF2=BOTTOM  PF3=FIND  PF4=NEXT PF6=PREV  PF10=EXIT
```

Figure 3.3.2.5.1.1-1 Review report - reporting installation.

Notice that, on the screen, only the Reporting Installation ID: ***EA is displayed. You can do a screen print by pressing <PrtSc> key on an IBM keyboard or <shift><PrtSc> on a Zenith keyboard.

2. Press PF10 (to Review Report Selection Menu)

```
                    SPECIFIC MACOM LEVEL
                  FACILITY INFORMATION
                    REVIEW   REPORTS
            PRINT REPORTS SELECTION MENU


        | REVIEW F4C/AMS REPORT - REPORTING INSTALLATION
        | REVIEW F4C/AMS REPORT - INSTALLATION
        | REVIEW F4C/AMS REPORT - AREA
        | REVIEW F4C/AMS REPORT - FACILITY (SUBTOTALS)
        | REVIEW F4C/AMS REPORT - FACILITY (TOTALS)


PF10=EXIT
```

Figure 3.3.2.5.1.1-2 Review reports selection menu.

3.3.2.5.1.2 Review Report - Installation. (see Section 2.4.5.1.4.2, page 2-44) - Review F4C/AMS Organizational Summary Report by Installation on screen. From the Review Reports Selection screen:

1. Tab over once (to Review Report - Installation)
2. Press <ENTER>

```
FACILIT Y ID :              F4C DESC. :
REP. INST.   :      ***EA   NUMBER OF FACILITIES :          4
INSTALLATION :      01      TOTAL SQUARE FOOTAGE :       3010
AREA         :              TOTAL TEN YEARS COST :     396869
     YEAR          1989        1990        1991        1992        1993

 RMF                 13          13          13          13          13
 A.R.M            14751       14751       14751       14751       14751
 M.R.T            30851       23863       20243       24736       29229

 TOTALS           45615       38626       35007       39500       43993

-----------------------------------------------------------------------
     YEAR          1994        1995        1996        1997        1998

 RMF                 13          13          13          13          13
 A.R.M.           14751       14751       14751       14751       14751
 M.R.T.           22240       26733       23113       27607       20618

 TOTALS           37004       41497       37877       42370       35381

      PF1=TOP PF2=BOTTOM  PF3=FIND  PF4=NEXT PF6=PREV  PF10=EXIT
```

Figure 3.3.2.5.1.2-1 Review report - installation.

Both the Reporting Installation ID and the Installation ID are displayed. (You can do a screen print.)

3. Press PF10 (to Review Report Selection Screen)

```
                    SPECIFIC MACOM LEVEL
                  FACILITY INFORMATION
                     REVIEW   REPORTS
               PRINT REPORTS SELECTION MENU


          | REVIEW F4C/AMS REPORT - REPORTING INSTALLATION
          | REVIEW F4C/AMS REPORT - INSTALLATION
          | REVIEW F4C/AMS REPORT - AREA
          | REVIEW F4C/AMS REPORT - FACILITY (SUBTOTALS)
          | REVIEW F4C/AMS REPORT - FACILITY (TOTALS)


  PF10=EXIT
```

Figure 3.3.2.5.1.2-2 Facility report selection menu.

1. Tab over two times (to Review Report - Area)
2. Press <ENTER>

```
FACILIT Y ID :                F4C DESC. :
REP. INST.   :        ***EA   NUMBER OF FACILITIES :          4
INSTALLATION :        01      TOTAL SQUARE FOOTAGE :       3010
AREA         :           01   TOTAL TEN YEARS COST :     396869
      YEAR            1989        1990        1991        1992        1993

 RMF                    13          13          13          13          13
 A.R.M                14751       14751       14751       14751       14751
 M.R.T                30851       23863       20243       24736       29229

 TOTALS               45615       38626       35007       39500       43993

-----------------------------------------------------------------------------
      YEAR            1994        1995        1996        1997        1998

 RMF                    13          13          13          13          13
 A.R.M.               14751       14751       14751       14751       14751
 M.R.T.               22240       26733       23113       27607       20618

 TOTALS               37004       41497       37877       42370       35381

   PF1=TOP PF2=BOTTOM  PF3=FIND  PF4=NEXT PF6=PREV  PF10=EXIT
```

Figure 3.3.2.5.1.3-1 Review report - area.

The Reporting Installation ID, the Installation ID, and Area are displayed on the report. (You can do a screen print.)

3. Press PF10 (to Review Reports Selection Menu).

```
                    SPECIFIC MACOM LEVEL
                  FACILITY INFORMATION
                    REVIEW   REPORTS
              PRINT REPORTS SELECTION MENU


          | REVIEW F4C/AMS REPORT - REPORTING INSTALLATION
          | REVIEW F4C/AMS REPORT - INSTALLATION
          | REVIEW F4C/AMS REPORT - AREA
          | REVIEW F4C/AMS REPORT - FACILITY (SUBTOTALS)
          | REVIEW F4C/AMS REPORT - FACILITY (TOTALS)


PF10=EXIT
```

Figure 3.3.2.5.1.3-2 Review report selection menu.

3.3.2.5.1.4 Review Report - Facility (Subtotals). (see Section 2.4.5.1.4.4, page 2-45) - Review F4C/AMS Organization Summary Report by Facility under subtotals. From the Review Report Selection Menu:

1. Tab over three times (to Review Report - Facility [Subtotal])
2. Press <ENTER>

```
FACILITIY ID :  A71111C00   F4C DESC. :   FH GEN
REP. INST.   :      ***EA   NUMBER OF FACILITIES :          1
INSTALLATION :      01      TOTAL SQUARE FOOTAGE :       1000
AREA         :         01   TOTAL TEN YEARS COST :     175718
     YEAR          1989        1990        1991        1992        1993

RMF                   0           0           0           0           0
A.R.M              6040        6040        6040        6040        6040
M.R.T             11532       11532       11532       11532       11532

TOTALS            17572       17572       17572       17572       17572

-----------------------------------------------------------------------
     YEAR          1994        1995        1996        1997        1998

RMF                   0           0           0           0           0
A.R.M.             6040        6040        6040        6040        6040
M.R.T.            11532       11532       11532       11532       11532

TOTALS            17572       17572       17572       17572       17572

   PF1=TOP PF2=BOTTOM  PF3=FIND  PF4=NEXT PF6=PREV  PF10=EXIT
```

Figure 3.3.2.5.1.4-1 Review report - facility (subtotals).

Press PF4, PF4, PF1, to study how the function keys work.

3. Press PF10 (to Review Report Selection Screen)

```
                    SPECIFIC MACOM LEVEL
                  FACILITY INFORMATION
                    REVIEW   REPORTS
            PRINT REPORTS SELECTION MENU


          REVIEW F4C/AMS REPORT - REPORTING INSTALLATION
          REVIEW F4C/AMS REPORT - INSTALLATION
          REVIEW F4C/AMS REPORT - AREA
          REVIEW F4C/AMS REPORT - FACILITY (SUBTOTALS)
          REVIEW F4C/AMS REPORT - FACILITY (TOTALS)


PF10=EXIT
```

Figure 3.3.2.5.1.4-2 Review report selection menu.

4. Press PF10 (to Facility Report Selection Screen)

Skip section 3.3.2.5.1.5 until future development.

3.3.2.5.1.5 Review Report - Facility (Totals). (see Section 2.4.5.1.4.5, page 2-46) - Review F4C/AMS Organization Summary Report by Facility under totals. To view this report:

1. Tab over four times (to Review Report - Facility [Totals])
2. Press <ENTER>

1

ORGANIZATIONAL SUMMARY REPORT : BY FACILITY

Report on : ALL APPROP. - PERM & TEMP

REP. INST I.D. : ***EA

Date : 04/14/90 Page : 1

SUB INST	F AREA	FACILITY ID	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
01	01	A71111C00	17572	17572	17572	17572	17572	17572	17572	17572	17572	17572
		L61011C81	9085	10708	4218	5841	7463	9085	10708	4218	5841	7463
		L71111C82	18945	10333	13204	16074	18945	10333	13204	16074	18945	10333
		P61011***	13	13	13	13	13	13	13	13	13	13

Figure 3.3.2.5.1.5-1 Review report - facility (totals).

3. Press PF3 (to Facility Report Selection Screen)

```
                    SPECIFIC MACOM LEVEL
                  FACILITY INFORMATION
                    FACILITY REPORTS

| F4C/AMS ORGANIZATIONAL SUMMARY REPORT
    | REVIEW REPORTS
    | PRINT F4C/AMS REPORT MENU
    | GENERATE F4C/AMS REPORT ON DISK

| 3 DIGIT F4C SUMMARY REPORT
    | REVIEW 3 DIGIT F4C REPORT
    | PRINT 3 DIGIT F4C REPORT
    | GENERATE 3 DIGIT F4C REPORT ON DISK

| URR COMPARISON REPORT
    | REVIEW URR REPORT
    | PRINT URR REPORT
    | GENERATE URR REPORT ON DISK


PF10=EXIT
```

Figure 3.3.2.5.1.5-2 Facility report selection screen.

You can go to section 3.3.2.5.2 to learn 3-Digit F4C Summary Report or you can continue to generate report of a different format as in the following section.

3.3.2.5.1.6 Print F4C/AMS Report. (see Sections 2.4.5.1.5, page 2-47) - Generate the F4C/AMS Organizational Summary Report as described in Sections 2.4.5.1.2, page 2-40, and 2.4.5.1.3, page 2-42. A printer copy of the report summarized by Reporting Installation, Installation, Area, and Facility can be printed from the Facility Report selection menu:

1. Tab over two times (to PRINT F4C/AMS REPORT MENU)

2. Press <ENTER>

```
SPECIFIC MACOM LEVEL
FACILITY INFORMATION
FACILITY REPORTS
PRINT REPORTS SELECTION MENU

PRINT F4C/AMS REPORT - REPORTING INSTALLATION
PRINT F4C/AMS REPORT - INSTALLATION
PRINT F4C/AMS REPORT - AREA
PRINT F4C/AMS REPORT - FACILITY (SUBTOTAL)
PRINT F4C/AMS REPORT - FACILITY (TOTALS)

ENTER PF10 TO RETURN TO PREVIOUS MENU
```

Figure 3.3.2.5.1.6-1 Print report selection menu.

(Note: To stop printing, set your printer to offline, wait several minutes and set it back online again)

3. Press <ENTER> (to print F4C/AMS Report - Reporting Installation at your PC printer) (wait until printing is finished)

4. Tab once (to select Print F4C/AMS Report - Installation)

5. Press <ENTER> (to print at your PC printer; wait until printing is finished)

6. Tab once (to select Print F4C/AMS Report - Area)

7. Press <ENTER> (to print at your PC printer; wait until printing is finished)

8. Tab once (to select Print F4C/AMS Report [Subtotal])

9. Press <ENTER> (to print at your PC printer; wait until printing is finished)

10. Tab once (to select Print F4C/AMS REPORT- FACILITY [TOTALS])

11. Press <ENTER> (to print at your PC printer; wait until printing is finished)

12. Press PF10 (to Facility Report Selection Menu)

```
                    SPECIFIC MACOM LEVEL
                  FACILITY INFORMATION
                    FACILITY REPORTS

| F4C/AMS ORGANIZATIONAL SUMMARY REPORT
    | REVIEW REPORTS
    | PRINT F4C/AMS REPORT MENU
    | GENERATE F4C/AMS REPORT ON DISK

| 3 DIGIT F4C SUMMARY REPORT
    | REVIEW 3 DIGIT F4C REPORT
    | PRINT 3 DIGIT F4C REPORT
    | GENERATE 3 DIGIT F4C REPORT ON DISK

| URR COMPARISON REPORT
    | REVIEW URR REPORT
    | PRINT URR REPORT
    | GENERATE URR REPORT ON DISK


PF10=EXIT
```

Figure 3.3.2.5.1.6-2 Facility report selection menu.

3.3.2.5.2 3-Digit F4C Summary Report. (see section 2.4.5.2, page 2-48)

Generate a total dollar report by summarizing the resources by the first three digits of the F4C code for MILITARY DISTRICT OF WASHINGTON. Print the report in dollars. Generate report for all facilities, from Facility Report Selection Menu:

1. Tab four times (to 3-Digit F4C Summary Report)
2. Press <ENTER>

```
                    SPECIFIC MACOM LEVEL
              REPORTING INSTALLATION RANGE FOR
              3 DIGIT F4C RESOURCE INFORMATION


         PLEASE ENTER THE REPORTING INSTALLATION ID
             FOR THE 3 DIGIT F4C RESOURCE REPORT



        LOW REPORTING INSTALLATION ID (OR ALL)  :  (        )
        HIGH REPORTING INSTALLATION ID          :  (        )

        ENTER APPROPRIATION ID (1,2,3,4,5,6,7,8,9):(   )
        1=OMA 2=OMAR 3=AIF 4=RDTE 5=OPA 6=AFH 7=OTHER 8=NG
        9=ALL APPROP.IDS   A=NON-ACTIVE FAC. B=F4C/CY
        ENTER TYPE OF FACILITIES (A,B,C)          : (   )
        A=ALL  B=PERMANENT   C=TEMPORARY

    PF10=EXIT ENTER=SAVE & CONTINUE
```

Figure 3.3.2.5.2-1 Reporting installation range & appropriation screen.

Generate a 3-Digit F4C report for MIL DISTRICT OF WASHINGTON (***EA) for all appropriations and all permanent and temporary facilities by:

3. Type: ***EA (for Low Reporting Installation ID)
4. Type: ***EA (for High Reporting Installation ID)
5. Type: 9 (for all appropriations)
6. Type: A (for permanent and temporary facilities)
7. Press <ENTER> (to 3-Digit F4C Summary Report Screen using the values entered)

```
                    SPECIFIC MACOM LEVEL
                    FACILITY INFORMATION
                      FACILITY REPORTS
            3 DIGIT F4C FACILITY SUMMARY REPORT

ENTER SUMMARY DOLLAR OPTION (A/B) : ( A )
  A. PRINT IN DOLLARS
  B. PRINT IN THOUSANDS DOLLARS

ENTER REPORT CONTENTS (1/2): ( 1 )
   1. 3 DIGIT F4C SUMMARY
   2. 3 DIGIT F4C SUMMARY PER SQUARE FOOT

ENTER LOW F4C NUMBER :  ( ALL      )
ENTER HIGH F4C NUMBER : (          )

ENTER FILENAME  :
FILE DESCRIPTION :

PF1=RUN  PF5=EDIT  PF9=SAVE EDIT   PF10=EXIT
```

Figure 3.3.2.5.2-2 3-Digit F4C summary report.

Filename MACOMEA is entered for the report generated under the Reporting Installation ID: ***EA for MILITARY DISTRICT OF WASHINGTON. The file description is optional.

8. Type: MACOMEA (for the filename)
9. Tab once (to file description)
10. Type: THIS IS THE 3 DIGIT F4C REPORT FOR ***EA
11. Press PF1 (to run using defaults values)

When report is ready, the following message will appear:

"YOUR REPORT HAS BEEN PREPARED..PF10 TO RETURN TO PREVIOUS MENU"

12. Press PF10 (to Facility Report Selection Menu)

```
                    SPECIFIC MACOM LEVEL
                   FACILITY INFORMATION
                     FACILITY REPORTS

| F4C/AMS ORGANIZATIONAL SUMMARY REPORT
    | REVIEW REPORTS
    | PRINT F4C/AMS REPORT MENU
    | GENERATE F4C/AMS REPORT ON DISK

| 3 DIGIT F4C SUMMARY REPORT
    | REVIEW 3 DIGIT F4C REPORT
    | PRINT 3 DIGIT F4C REPORT
    | GENERATE 3 DIGIT F4C REPORT ON DISK

| URR COMPARISON REPORT
    | REVIEW URR REPORT
    | PRINT URR REPORT
    | GENERATE URR REPORT ON DISK


PF10=EXIT
```

Figure 3.3.2.5.2-3 Facility report selection menu.

Print the three-digit F4C report on your PC printer,

13. Tab over six times (to select Print 3-Digit F4C Report) 14.Press <ENTER>

```
FILENAME  :                SPECIFIC MACOM LEVEL
DISK FILENAME :
  | FILENAME | FILE DESCRIPTION                                  |
    MACOMEA    THIS IS THE 3 DIGIT F4C REPORT FOR ***EA

                    .

ALL SCREENS : PF1=TOP PF4=NEXT PF8=DELETE PF10=EXIT ENTER=PRINT
```

Figure 3.3.2.5.2-4 3-digit F4C summary report - list of filenames.

15. Type: MACOMEA (to print the report with filename MACOMEA)
16. Press <ENTER> (to print report stored in filename MACOMEA)

When the report is finished printing, the following message will appear:

"TYPE FILENAME TO BE PRINTED OR VIEWED - THEN PRESS ENTER"

17. Press PF10 (to Facility Report Selection Menu)

```
                    SPECIFIC MACOM LEVEL
                   FACILITY INFORMATION
                     FACILITY REPORTS

| F4C/AMS ORGANIZATIONAL SUMMARY REPORT
    | REVIEW REPORTS
    | PRINT F4C/AMS REPORT MENU
    | GENERATE F4C/AMS REPORT ON DISK

| 3 DIGIT F4C SUMMARY REPORT
    | REVIEW 3 DIGIT F4C REPORT
    | PRINT 3 DIGIT F4C REPORT
    | GENERATE 3 DIGIT F4C REPORT ON DISK

| URR COMPARISON REPORT
    | REVIEW URR REPORT
    | PRINT URR REPORT
    | GENERATE URR REPORT ON DISK


PF10=EXIT
```

Figure 3.3.2.5.2-5 Facility report selection menu.

3.3.2.5.3 URR Comparison Report.

To generate URR report for MILITARY DISTRICT OF WASHINGTON (see section 2.4.5.3, page 2-53), from Facility Report Selection Menu:

1. Tab over eight times (to select URR Comparison Report)
2. Press <ENTER> (to URR Report Selection Menu)

```
                    URR  COMPARISON  REPORT
                        SELECTION MENU

                 |    EDIT URR PARAMETERS
                 |    GENERATE URR COMPARISON REPORT


PF10=EXIT
```

Figure 3.3.2.5.3-1 URR report selection menu.

3. Tab over one time (to select Generate URR Comparison Report)
4. Press <ENTER> (to Generate URR Comparison Report - List of IDs)

```
                          SPECIFIC MACOM LEVEL
R.INST.ID :          YOUR DATABASE INFORMATION
  R.INST.| REP. INSTALLATION NAME          | MAC | MTD |  TIME   |   DATE   |
  ***EA    MIL DISTRICT OF WASHINGTON       EA    5    16.19.35  08/25/89 |


ALL SCREENS : PF1=TOP PF4=NEXT-PAGE PF10=EXIT PF11=PRINT
URR SCREEN  : PF7=ADD  PF8=DELETE
```

Figure 3.3.2.5.3-2 URR report - list of IDs.

This is a listing of IDs accessible by the MACOM MILITARY DISTRICT OF WASHINGTON. Generate a URR report for MILITARY DISTRICT OF WASHINGTON by:

5. Type: ***EA (for MACOM MILITARY DISTRICT OF WASHINGTON)
6. Press <ENTER> (to URR Report - Reporting Installation and Appropriation)

```
                    SPECIFIC MACOM LEVEL
               REPORTING INSTALLATION RANGE FOR
                URR COMPARISON REPORT


          PLEASE ENTER THE REPORTING INSTALLATION ID
                  FOR URR REPORT



     REPORTING INSTALLATION ID      : ( ***EA )


     ENTER APPR. ID (1,2,3,4,5,6,7,8,9,A,B)   :   (   )
       1=OMA 2=OMAR 3=AIF 4=RDTE 5=OPA 6=AFH 7=OTHER 8=NG
       9=ALL APPROP.IDS   A=NON-ACTIVE FAC. B=F4C/CY
     ENTER TYPE OF FACILITIES   (A,B,C)         : (   )
       A=ALL  B=PERMANENT   C=TEMPORARY

  PF10=EXIT ENTER=SAVE & CONTINUE
```

Figure 3.3.2.5.3-3 URR report - *reporting installation & appropriation.*

Generate report for MIL DISTRICT OF WASHINGTON by:

7. Type: 9 (for all appropriations)
8. Type: A (for permanent and temporary)
9. Press <ENTER> (to URR Comparison Report Menu)

```
                    SPECIFIC MACOM LEVEL
                    FACILITY INFORMATION
                       REPORT SCREEN
                   URR COMPARISON REPORT
==================================================================

  Enter the low  AMS Code :   K0000
  Enter the high AMS Code :   K9999

  Enter the starting year :   1989
  Enter the number of years to report :  10

  Select only 1,2,3 or 4 :  4
    1.RMF        2.ARM
    3.MRT        4.TOTAL

  Enter the filename for the report   :

  Enter the  description for file  :

   PF1=RUN  PF5=EDIT  PF10=EXIT
```

Figure 3.3.2.5.3-4 URR comparison report menu.

You must enter the filename by which the report will be stored in the mainframe computer. Using different filenames allows different reports to be generated and saved for later functions, such as viewing and printing during the learning session. These files will be erased when the user logs off the MRPM system. The description of file is optional; it allows the user to give a text description on the information contained in the file:

10. Type : MACOMEA (for MILITARY DISTRICT OF WASHINGTON)
11. Tab over once (to file description)
12. Type: IT CONTAINS THE URR REPORT FOR ***EA (for file description)
13. Press PF1 (to generate the URR report)

When the report is completed, this message appears :

"REPORT GENERATED. GO BACK TO REPORT MENU TO PRINT. PF10=EXIT"

14. Press PF10 (to go back to URR Report - list of IDs)
15. Press PF10 (to go back to URR Report Selection Menu)
16. Press PF10 (to go back to Facility Report Selection Menu)

```
                    FACILITY INFORMATION
                      FACILITY REPORTS

            | F4C/AMS ORGANIZATIONAL SUMMARY REPORT
                  | REVIEW REPORTS
                  | PRINT F4C/AMS REPORT MENU
                  | GENERATE F4C/AMS REPORT ON DISK

            | 3 DIGIT F4C SUMMARY REPORT
                  | REVIEW 3 DIGIT F4C REPORT
                  | PRINT 3 DIGIT F4C REPORT
                  | GENERATE 3 DIGIT F4C REPORT ON DISK

            | URR COMPARISON REPORT
                  | REVIEW URR REPORT
                  | PRINT URR REPORT
                  | GENERATE URR REPORT ON DISK


PF10=EXIT
```

Figure 3.3.2.5.3-5 Facility report selection menu.

Print the URR report stored in filename MACOMEA by:

17. Tab over ten times (to select Print URR Report)
18. Press <ENTER>

```
FILENAME  :                SPECIFIC MACOM LEVEL
DISK FILENAME :
  | FILENAME | FILE DESCRIPTION                                  |
    MACOMEA    IT CONTAINS THE URR REPORT FOR ***EA

ALL SCREENS : PF1=TOP PF4=NEXT PF8=DELETE PF10=EXIT ENTER=PRINT
```

Figure 3.3.2.5.3-6 Print URR report - list of files.

(Note: Make sure your printer is hooked to the computer.)

This is a listing of filenames in which URR reports are stored. Print the report generated above by:

19. Type: MACOMEA (for the filename in which the URR report is stored)
20. Press <ENTER>(to print the URR report)

When the printing is finished,

21. Press PF10 (to Facility Report Selection Menu)
22. Press PF10 (to Facility Information Selection Menu)
23. Press PF10 (to MRPM Main Menu)
24. Press PF10 (to Army User Priority Menu).

3.3.2.5.4 Army Use Priority Level.

```
                                    ARMY LEVEL
UPDATING MODE                 MAINTENANCE PREDICTION MODEL

                                ARMY USER PRIORITY MENU

              MRPM USER PRIORITY LEVELS :
                 | TOTAL ARMY LEVEL
                 | MACOM RANGE LEVEL
                 | SPECIFIC MACOM LEVEL
                 | REPORTING INSTALLATION RANGE LEVEL
                 | REPORTING INSTALLATION LEVEL

              MISCELLANEOUS FUNCTIONS :
                 | QUIT THE SYSTEM
                 | REVIEW WHOLE ARMY DATABASE
                 | REORGANIZE THE CURRENT MRPM DATABASE
```

Figure 3.3.2.5.4-1 Army user priority level menu.

At this screen you can continue the basic training for Army Level (see Section 3-4, page 3-95), or continue to log off as follows:

1. Tab over five times (to quit the system)
2. Press <ENTER> (to MRPM CMS menu)

```
                    MAINTENANCE PREDICTION MODEL
                        USERS LOGIN MENU

        MRPM LOGIN     :   LEARN
        MRPM PASSWORD  :

        CURRENT USERS STATUS :   1
        1. UPDATE  2. READ ONLY

        DO YOU WANT TO GIVE UP YOU UPDATING RIGHT (Y/N)  :

    PRESS PF10 TO EXIT SYSTEM
```

Figure 3.3.2.5.4-2 MRPM login screen.

3. Type: Y (so that other users can have update right)
4. Press <ENTER> (to MRPM CMS Main Menu).

```
*********************************************************
MRPM CMS MAIN MENU
---------------------------------------------------------
SELECTIONS :

M - TO ENTER THE MRPM SYSTEM
D - QUERY DISK STORAGE
Q - QUIT THE MENU

---------------------------------------------------------
TYPE M,D, OR Q PRESS <ENTER>
*********************************************************
```

Figure 3.3.2.5.4-3 MRPM CMS main menu.

3.3.3 Logging Off.

To log off from mainframe computer to your PC, from MRPM CMS main menu:

1. Type: Q (to quit menu)
2. Press <ENTER>

```
*****************************************************
TO LOG OFF TO YOUR PC :
TYPE PC <ENTER>

TO REENTER MRPM SYSTEM :
TYPE : MRPM
(PRESS ENTER KEY)

*****************************************************
R; T=8.61/10.78 18:34:16
```

Figure 3.3.3-1 Logoff procedure screen.

3. Type: PC
4. Press <ENTER> (to log off to PC DOS environment) and wait for the DOS prompt, C:\SIMPC

3.4 Total Army Level.

3.4.1 Entering MRPM From User Priority Screen. (see Section 2.1.3, page 2-5)

You can use the 3.2.1 commands either to log on until the following screen OR, after finishing section 3.3, the learning session for MACOM Level, to continue on this section. The learning session for this section is basically the same as that of the MACOM Level (see section 3.2, page 3-4).

```
                                  ARMY LEVEL
UPDATING MODE              MAINTENANCE PREDICTION MODEL

                             ARMY USER PRIORITY MENU

                 MRPM USER PRIORITY LEVELS :
                     | TOTAL ARMY LEVEL
                     | MACOM RANGE LEVEL
                     | SPECIFIC MACOM LEVEL
                     | REPORTING INSTALLATION RANGE LEVEL
                     | REPORTING INSTALLATION LEVEL

                 MISCELLANEOUS FUNCTIONS :
                     | QUIT THE SYSTEM
                     | REVIEW WHOLE ARMY DATABASE
                     | REORGANIZE THE CURRENT MRPM DATABASE
```

Figure 3.4.1-1 User priority screen.

(Notes : The operating mode is shown on the top left corner of the flowing screens. It will be either "READING MODE" or "UPDATING MODE". "READING MODE" indicates that the user is only allowed to view and generate reports from the current database. "UPDATING MODE" indicates that the user is allowed to update the database in addition to viewing and generating reports. "READING MODE" appears when someone is updating the database and subsequent users can only use under the "READING MODE". The system allows one user to update and many users to view the database.)

To use the system at the total Army Level for Army Headquarters:

1. Press <ENTER> (to use at Total Army Level)

```
UPDATING MODE                ARMY LEVEL
                       DATABASE STORAGE SELECTION :

   1.DELETE THE REPORTING INSTALLATION OF WHOLE ARMY
   2.DELETE ALL MACOM RANGE SPECIFIED IN NEXT SCREEN
   3.DELETE A RANGE OF REPORTING INSTALLATION IN A SPECIFIC MACOM
   4.CONTINUE TO MRPM MAIN MENU

PLEASE ENTER 1, 2, 3, OR 4   ---> (   )

 III. CRITERIA :
   A. DELETE ALL THE FACILITIES INFORMATION
   B. DELETE ONLY THE RESOURCE SUMMARY FILES

PLEASE ENTER A OR B ---> (   )


PF1=REVIEW CURRENT DATABASE    PF10=EXIT

-------------------MESSAGES----------------------------------
```

Figure 3.4.1-2 Database storage selection.

2. Type: 4 (to continue to MRPM main menu).
3. Press <ENTER>

```
TOTAL ARMY                    ARMY LEVEL
UPDATING MODE      Maintenace Resource Prediction Model
                              LEARN DATABASE

            ##  ##  ##                          ##  ##  ##
            ##########                          ##########
             ########          ###  ###  ###     ########
             ##    ##          #############     ##    ##
             ##    ##           ###########      ##    ##
             ########           ###########      ########
             ##############################################
             ##    #####    ####        ####    ####    ##
             ##    #####    ####        ####    ####    ##
             ##    #############       ###########    ##
            ###################         ##################
            ###################         ##################
            ###################         ##################
            ###################         ##################

                  <   PRESS   ENTER   TO   MRPM   >
```

Figure 3.4.1-3 MRPM banner.

4. Press <ENTER> (to Maintenance Resource Prediction Model)

```
TOTAL ARMY                    ARMY LEVEL
UPDATING MODE          MAINTENANCE PREDICTION MODEL

                                MAIN MENU

                        |   BASIC INFORMATION
                        |   FACILITY INFORMATION
                        |   MRPM BATCH PROCESSING MODE
                        |   REVIEW CURRENT DATABASE

PF10=EXIT
```

Figure 3.4.1-4 Maintenance prediction model - main menu.

3.4.2 Facility Information. (see Section 2.4.1, page 2-28)

The first step is to model the facility by copying data from the HQ-IFS assets database.

1. Tab over once (to select Facility Information)
2. Press <ENTER>

```
TOTAL ARMY                    ARMY LEVEL
UPDATING MODE          FACILITY INFORMATION
                            SELECTION MENU

                        |   RESOURCE CALCULATION
                        |   DISPLAY RESOURCES - TABLE FORM
                        |   GENERAL INFORMATION
                        |   FACILITY REPORTS
                        |   MODEL FACILITY
                        |   REVIEW CURRENT DATABASE

PRESS PF10 TO RETURN TO PREVIOUS MENU
```

Figure 3.4.2-1 Facility information screen.

3. Tab over four times (to select Model Facility)
4. Press <ENTER>

3.4.2.1 Model Facility. (see Sections 2.4.6, page 2-61, and 2.4.6.1, page 2-62)

Model by appropriation, current use, and construction year for all facilities in all installations, and store all data under the Reporting Installation ID.

You want to store this information under the MRPM Reporting Installation: *****; Subinstallation ID:01 and Area ID: 01.

```
ARMY LEVEL
FACILITY INFORMATION
IFS MODELLING
SELECTION MENU

|   MODEL BY APPROPRIATIONS/F4C/CONSTRUCTION YEAR

|   MODEL BY F4C/CONSTRUCTION YEAR
```

Figure 3.4.2.1-1 Modelling method selection menu.

1. Press <ENTER> (to select Modelling by Appropriations/F4C/Construction Year)

```
                    ARMY LEVEL
MACOMS, REPORTING INSTALLATIONS, INSTALLATIONS
     RANGE SPECIFICATION FOR IFS MODELLING

 PLEASE ENTER THE APPROPRIATE RANGE THEN HIT ENTER

LOW MACOM ID (OR ALL)                    :  (     )
HIGH MACOM ID                            :  (     )

LOW REPORTING INSTALLATION ID (OR ALL) :  (       )
HIGH REPORTING INSTALLATION ID           :  (       )

LOW INSTALLATION ID OR (ALL)             :  (       )
HIGH INSTALLATION ID                     :  (       )

LOW F4C                                  :  (         )
HIGH F4C                                 :  (         )

APPROPRIATION ID                         :  (   )
  1=OMA 2=OMAR 3=AIF 4=RDTE 5=OPA 6=AFH 7=OTHER 8=NG
  9=ALL A=NON-ACTIVE
PF10=EXIT
```

Figure 3.4.2.1-2 Modelling - reporting installation & appropriation range.

Model all facilities and all appropriations of CORPS OF ENGINEERS (MACOM ID = AA) through INFORMATION SYSTEM COMMAND (MACOM ID = UA). Store the models by appropriation/F4C/ construction year under the Army Reporting Installation ID: *****. Use the default values for the General Facility Information.

2. Type: AA (for Low MACOM)
3. Tab over once
4. Type: UA (for High MACOM)
5. Press <ENTER> (save the MACOM range)
6. Type: ALL (for Reporting Installation ID)
7. Press <ENTER>(save the Reporting Installation ID)
8. Type: ALL (for Installation ID)
9. Press <ENTER> (save the Installation ID)
10. Press <ENTER> (using default Low, High F4C values)
11. Type: 9 (for all appropriations)
12. Press <ENTER> (to Modelling Screen)

```
                    ARMY LEVEL
              MODELLING METHOD SPECIFICATION
                   FROM IFS DATABASE


MODELLING METHOD (ENTER A,B,C,D,OR E) : (   )

A. BY F4C & CONSTRUCTION YEAR STORED UNDER ARMY  ID : (*****)
B. BY F4C & CONSTRUCTION YEAR STORED UNDER MACOM ID : (***?)
C. BY F4C & CONSTRUCTION YEAR STORED UNDER REPORTING INSTALLATION
D. BY F4C & CONSTRUCTION YEAR STORED UNDER INSTALLATION
E. BY INDIVIDUAL FACILITY STORED UNDER INSTALLATION

EDIT FACILITY GENERAL INFORMATION DEFAULT VALUES (Y/N) : (   )


-------------------------------------------------------------
>    PF1=RUN AS IT  PF10=EXIT  PF13=PRINT ERROR

--------------------MESSAGES-----------------------------------
```

Figure 3.4.2.1-3 Modelling facility screen.

To model using appropriation ID stored under Army ID ***** with default values:

13. Type: A (to model and store under Army ID : *****)
14. Type: N (for not editing default values)
15. Press <ENTER> (to save entered values)
16. PF1 (to model)

(Note: Messages will appear at the bottom of screen.)

This command will take approximately 5 minutes to complete. Since this is only using the testing database, the modelling is small. If you are modelling using the real HQ-IFS asset database, then time spent on modelling will be larger. Chapter 4 presents the procedure for modelling the real HQ-IFS assets database.

When modelling is finished, you will see the following message:

IFS F4C YEAR MODELLING FINISH! NO. OF FACILITIES-> 22

You have finished modelling the facilities. If there are errors they will be listed on the printout. Print the error message by:

17. Press PF13 or <shift><F3> (to print the error)

```
                MRPM ERROR FILE                          08/23/89
*****************************************************************
* Desciptions:  i) FUNCTION indicates which MRPM functions      *
*              ii) PROGRAM indicates which program.             *
*             iii) LINE    indicates which line.                *
*              iv) ERROR   indicates the error message.         *
*               v) REP. INST. indicates which  id.              *
*===============================================================*
*          LISTING OF ERRORS                                    *
*****************************************************************
```

Figure 3.4.2.1-4 Modelling - error file.

18. Press PF10 (to Modelling Method Selection Menu)
19. Press PF10 (to Facility Information Selection Menu)

```
TOTAL ARMY                  ARMY LEVEL
UPDATING MODE           FACILITY INFORMATION
                             SELECTION MENU


                        RESOURCE CALCULATION
                        DISPLAY RESOURCES - TABLE FORM
                        GENERAL INFORMATION
                        FACILITY REPORTS
                        MODEL FACILITY
                        REVIEW CURRENT DATABASE


PRESS PF10 TO RETURN TO PREVIOUS MENU
```

Figure 3.4.2.1-5 Facility information selection menu.

Review the facility information modelled under Reporting Installation ID: *****, from Facility Information Selection Menu.

20. Tab over five times (to select Review Current Database)
21. Press <ENTER> (to review current database). (See Section 2.4.7, page 2-65)

```
                              ARMY LEVEL
                     YOUR DATABASE INFORMATION

R.INST.| REP. INSTALLATION NAME          | MAC | MTD |  TIME  |  DATE  |
51315    LEE FORT                         TD    2    12.24.36  08/21/89
***EA    MIL DISTRICT OF WASHINGTON       EA    5    16.19.35  08/25/89
*****    TOTAL ARMY                       **    5

PF1=TOP  PF4=NEXT  PF10=EXIT PF11=PRINT
```

Figure 3.4.2.1-6 Current database information.

This is your view of the current database accessible by the Total Army user. You should be able to see the Reporting Installation modelled in the previous two learning sessions: the Reporting Installation Level (see section 3.2), and MACOM Level (see section 3.3).

Go back to Facility Information Screen Menu again to examine the general information of the facilities you have modelled under Reporting Installation ID: *****:

22. Press PF10 (to Facility Information Selection Menu)

```
TOTAL ARMY                    ARMY LEVEL
UPDATING MODE            FACILITY INFORMATION
                              SELECTION MENU


                         RESOURCE CALCULATION
                         DISPLAY RESOURCES - TABLE FORM
                         GENERAL INFORMATION
                         FACILITY REPORTS
                         MODEL FACILITY
                         REVIEW CURRENT DATABASE


PRESS PF10 TO RETURN TO PREVIOUS MENU
```

Figure 3.4.2.1-7 Facility information selection menu.

23. Tab over two times (to select General Information)
24. Press <ENTER> (to General Information screen)

3.4.2.2 General Information. (see Section 2.4.4, page 2-35)

General information on modelled facility groups may be viewed by individual Reporting Installation.

```
                                ARMY LEVEL
R.INST.ID :             YOUR DATABASE INFORMATION
  R.INST.| REP. INSTALLATION NAME          | MAC | MTD |  TIME   |   DATE  |
  51315    LEE FORT                        TD    2    12.24.36  08/21/89
  ***EA    MIL DISTRICT OF WASHINGTON      EA    5    16.19.35  08/25/89
  *****    TOTAL ARMY                      **    5

ALL SCREENS : PF1=TOP PF4=NEXT-PAGE PF10=EXIT PF11=PRINT
URR SCREEN  : PF7=ADD  PF8=DELETE
```

Figure 3.4.2.2-1 General information - reporting installation list.

To viewing Total Army under Reporting Installation ID: *****.

1. type: ***** (to select Total Army)
2. Press <ENTER> (to view the facility information)

```
                              ARMY LEVEL
                           FACILITY INFORMATION
                       GENERAL FACILITY INFORMATION
REPORT INSTALLATION ID :  *****    ID NAME:  TOTAL ARMY
MACOM ID :  **
        INSTALLATION    :   01
        AREA:               01     NO DESCRIPTION
        FACILITY ID:        A71111A00 (     1 BLD FACILITIES          )
        F4C CODE:           7111100        FH GEN
        NUMBER IN F/G             1
        TRAVEL ZONE:         1
        SQUARE FEET:                1000
        CONSTRUCTION YEAR:   1700
        W/P METHOD INDEX:    5      NO DESCRIPTION
        SPECIAL CONDITION MULTIPLIER ID:  01  DEFAULT SP COND MODIF
        SCHEDULED DISPOSAL DATE:
        LAST CHANGE DATE:
        LAST CALCULATION DATE:
        FACILITY FUNDING PROFILE:  01
        CALCULATION MODELING ID (1-4): 2  UNIT COST BY AGE
        ACCOUNTING ID :  OMA    Permanent
    PF1=TOP  PF2=BOT  PF3=FIND   PF4=NEXT   PF5=EDIT  PF6=PREV  PF7=ADD
PF8=DEL  PF9=SAVE PF10=EXIT  PF11=LIST  PF12=DISK PF14=PRINT
```

Figure 3.4.2.2-2 General facility information.

You can move from facility to facility. Press the function keys PF4, PF4, PF4, PF6, PF6, PF2, PF6, PF1 in sequence and study how the function keys work.

You can end this 3.4.2.2 General Information session and go on to 3.4.2.3 Resource Calculation by pressing PF10 or continue with learning more advanced use of function keys by pressing PF3, PF5, PF7, PF8, PF9 (see 3.2.2.2.1, 3.2.2.2.2, 3.2.2.2.3, pages 3-21 to 3-24).

3. Press PF10 (to Reporting Installation list screen)
4. Press PF10 (to Facility Information Selection Menu)

```
TOTAL ARMY                    ARMY LEVEL
UPDATING MODE            FACILITY INFORMATION
                              SELECTION MENU


                         RESOURCE CALCULATION
                         DISPLAY RESOURCES - TABLE FORM
                         GENERAL INFORMATION
                         FACILITY REPORTS
                         MODEL FACILITY
                         REVIEW CURRENT DATABASE


PRESS PF10 TO RETURN TO PREVIOUS MENU
```

Figure 3.4.2.2-3 Facility information selection menu.

3.4.2.3 Resource Calculation. (see Section 2.4.2.2, page 2-30)

Perform calculations for all facilities using modelling methods defined in the General Facility Information table, and a cost adjustment factor of 1.2. Use the United States - Permanent and Temporary Facility Unit Cost Database.

From Facility Information Selection Menu:

1. Press <ENTER> (to Resource Calculation - Database & Facility Type screen)

```
                    ARMY LEVEL
                FACILITY INFORMATION
          RESOURCE CALCULATION SELECTION MENU


DATABASE USED IN CALCULATION (A, B, C) :( B )
     A. TOTAL F4C DATABASE
     B. UNITED STATES - PERMANENT & TEMPORARY DATABASE
     C. EUROPE DATABASE

ENTER THE TYPE OF FACILITIES TO BE PROCESSED ( A, B, C) :( A )
     A. PERMANENT & TEMPORARY FACILITIES OR ALL
     B. PERMANENT FACILITIES ONLY
     C. TEMPORARY FACILITIES ONLY


PF4=NEXT SCREEN PF5=EDIT  PF9=SAVE  PF10=EXIT
```

Figure 3.4.2.3-1 Resource calculation - database & facility type.

2. Press PF4 (using default parameters)

```
                    ARMY LEVEL
          REPORTING INSTALLATION RANGE FOR
        RESOURCE CALCULATION AT MACOM LEVEL


      PLEASE ENTER THE REPORTING INSTALLATION ID
              FOR RESOURCE CALCULTAION


   LOW REPORTING INSTALLATION ID    (OR ALL)  :  (        )
   HIGH REPORTING INSTALLATION ID             :  (        )

   ENTER APPROPRIATION ID (1,2,3,4,5,6,7,8,9)       :  (    )
      1=OMA 2=OMAR 3=AIF 4=RDTE 5=OPA 6=AFH 7=OTHER 8=NG
      9=ALL IDS


PF10=EXIT P11=LIST-ID  ENTER=SAVE & CONTINUE
```

Figure 3.4.2.3-2 Resource Calculation - Reporting Installation & appropriations

3. Type: ***** (for Low Reporting Installation)
4. Type: ***** (for High Reporting Installation ID)
5. Type: 9 (for all appropriations)
6. Press <ENTER> (to Resource Calculation Menu - Screen 1)

```
                    ARMY LEVEL
                 FACILITY INFORMATION
                 RESOURCE CALCULATION

   NAME OF INSTALLATION:   TOTAL ARMY
   BEGINNING REPORT YEAR:  1989          ENDING REPORT YEAR:  1998
   MATERIAL ADJUSTMENT FACTOR:    1.08

MODELLING METHOD  :  5
   1. NOT ACTIVE AT PRESENT
   2. UNIT COST BY FACILITY AGE
   3. GROSS FLOOR AREA (NOT ACTIVE)
   4. RECURRING MAINTENANCE FACTORS (NOT ACTIVE)
   5. USE THE ITEM SPECIFIED IN FACILITY RECORD

UNIT COST ADJUSTMENT FACTOR : (  1.200 )
RMF ADJUSTMENT FACTOR       : (  1.000 )

FACILITY TYPE TO BE PROCESSED: ( 1 )
     1.BLD AND NON-BLD    2.BLD ONLY   3.NON-BLD ONLY

      PF1=RUN AS IS  PF5=EDIT  PF9=SAVE PF10=EXIT  ENTER=NEXT SCREEN
      PF13=PRINT ERROR
```

Figure 3.4.2.3-3 Resource calculation menu - screen 1.

(Note: You can review the contents of the second screen by pressing <ENTER>.

Leave all parameters as shown and perform the calculation:

7. Press PF1 (to run calculation)

Messages will appear at the bottom of the screen to inform you that the calculation is in progress. When the calculation is finished, the following message will appear:

"CALCULATION FINISHED, PRESS PF10 TO CONTINUE...NUM OF FAC-> 22"

Display any calculation errors by:

8. Press PF13 or <shift><F3> (to print error messages)

Please wait until printing is finished.

```
                    MRPM ERROR FILE                          08/28/89
*************************************************************
* Desciptions:  i) FUNCTION indicates which MRPM functions   *
*              ii) PROGRAM indicates which program.          *
*             iii) LINE    indicates which line.             *
*              iv) ERROR   indicates the error message.      *
*               v) REP. INST. indicates which  id.           *
*=========================================================*
*          LISTING OF ERRORS                                *
*************************************************************
*************************************************************
CALCULATING REP. INST. : *****
STARTING TIME : 17.22.26
FINISH CALCULATING REP. INST. : *****
ENDING TIME : 17.22.38
*************************************************************
```

Figure 3.4.2.3-4 Resource calculation menu - error file.

9. Press PF10 (to Reporting Installation Range & Appropriation Screen)
10. Press PF10 (to Resource Calculation & Facility Type Selection Menu)
11. Press PF10 (to Facility Information Selection Menu)

```
TOTAL ARMY                    ARMY LEVEL
UPDATING MODE            FACILITY INFORMATION
                              SELECTION MENU


                    |    RESOURCE CALCULATION
                    |    DISPLAY RESOURCES - TABLE FORM
                    |    GENERAL INFORMATION
                    |    FACILITY REPORTS
                    |    MODEL FACILITY
                    |    REVIEW CURRENT DATABASE


PRESS PF10 TO RETURN TO PREVIOUS MENU
```

Figure 3.4.2.3-5 Facility information selection menu.

3.4.2.4 Display Resource - Table Form. (see Section 2.4.3, page 2-33)

To review one Reporting Installation at a time, from the Facility Information Selection Menu:

1. Tab over once (to select Display Resource - Table Form)
2. Press <ENTER>

```
                                ARMY LEVEL
R.INST.ID :            YOUR DATABASE INFORMATION
  R.INST.| REP. INSTALLATION NAME          | MAC | MTD |  TIME   |   DATE   |
  51315    LEE FORT                         TD    2    12.24.36  08/21/89
  ***EA    MIL DISTRICT OF WASHINGTON       EA    5    16.19.35  08/25/89
  *****    TOTAL ARMY                       **    5    17.28.33  08/28/89


  ALL SCREENS : PF1=TOP PF4=NEXT-PAGE PF10=EXIT PF11=PRINT
  URR SCREEN  : PF7=ADD  PF8=DELETE
```

Figure 3.4.2.4-1 Display resources - list of IDs.

To review the resources of facility under Total Army (*****):

3. Type: ***** (for Total Army)
4. Press <ENTER>(to display resources)

```
FACILITY ID :  A71111A00   F4C DESC. :  FH GEN
REP. INST.  :     *****    NUMBER OF FACILITIES :          1
INSTALLATION :     01      TOTAL SQUARE FOOTAGE :       1000
AREA        :        01   TOTAL TEN YEARS COST :      182480
     YEAR          1989        1990        1991        1992        1993

RMF                   0           0           0           0           0
A.R.M              6273        6273        6273        6273        6273
M.R.T             11975       11975       11975       11975       11975

TOTALS            18248       18248       18248       18248       18248

-----------------------------------------------------------------------
     YEAR          1994        1995        1996        1997        1998

RMF                   0           0           0           0           0
A.R.M.             6273        6273        6273        6273        6273
M.R.T.            11975       11975       11975       11975       11975

TOTALS            18248       18248       18248       18248       18248

   PF1=TOP PF2=BOTTOM  PF3=FIND  PF4=NEXT PF6=PREV  PF10=EXIT
```

Figure 3.4.2.4-2 Display resources - table form.

Try PF4, PF2, PF6, PF6 in sequence to study how the function keys work.

5. Press PF10 (to Reporting Installation List screen)
6. Press PF10 (to Facility Information Selection Menu)

```
TOTAL ARMY                    ARMY LEVEL
UPDATING MODE            FACILITY INFORMATION
                              SELECTION MENU


                    |   RESOURCE CALCULATION
                    |   DISPLAY RESOURCES - TABLE FORM
                    |   GENERAL INFORMATION
                    |   FACILITY REPORTS
                    |   MODEL FACILITY
                    |   REVIEW CURRENT DATABASE


PRESS PF10 TO RETURN TO PREVIOUS MENU
```

Figure 3.4.2.4-3 Facility information selection menu.

3.4.2.5 Facility Reports. (see Section 2.4.5, page 2-38)

Generate and display reports in three formats: (1) F4C/AMS Organizational Summary Report, (2) 3-Digit F4C Report, and (3) URR Comparison Report. Generate F4C/AMS Organizational Summary Report first, from Facility Information Selection Menu,

1. Tab over three times (to select Facility Reports)
2. Press <ENTER>

```
                    ARMY LEVEL
                FACILITY INFORMATION
                  FACILITY REPORTS

| F4C/AMS ORGANIZATIONAL SUMMARY REPORT
    | REVIEW REPORTS
    | PRINT F4C/AMS REPORT MENU
    | GENERATE F4C/AMS REPORT ON DISK

| 3 DIGIT F4C SUMMARY REPORT
    | REVIEW 3 DIGIT F4C REPORT
    | PRIN' 3 DIGIT F4C REPORT
    | GENERATE 3 DIGIT F4C REPORT ON DISK

| URR COMPARISON REPORT
    | REVIEW URR REPORT
    | PRINT URR REPORT
    | GENERATE URR REPORT ON DISK


PF10=EXIT
```

Figure 3.4.2.5-1 Facility reports.

3. Press <ENTER> (to Facility Reports - Reporting Installation Range & Appropriations screen)

3.4.2.5.1 F4C/AMS Organizational Summary Report. (see Section 2.4.5.1, page 2-39) - Generate report for Total Army (*****) only for all appropriations, all facilities, and F4C codes.

```
                    ARMY LEVEL
              REPORTING INSTALLATION RANGE FOR
               RESOURCE SUMMARY AT MACOM LEVEL


          PLEASE ENTER THE REPORTING INSTALLATION ID
                 FOR RESOURCE SUMMARY



        LOW REPORTING INSTALLATION ID (OR ALL)  :  (        )
        HIGH REPORTING INSTALLATION ID          :  (        )

        ENTER APPROPRIATION ID (1,2,3,4,5,6,7,8,9):(   )
        1=OMA 2=OMAR 3=AIF 4=RDTE 5=OPA 6=AFH 7=OTHER 8=NG
        9=ALL APPROP.IDS   A=NON-ACTIVE FAC. B=F4C/CY
        ENTER TYPE OF FACILITIES (A,B,C)          : (   )
        A=ALL  B=PERMANENT   C=TEMPORARY

   PF10=EXIT PF11=LIST-ID ENTER=SAVE & CONTINUE
```

Figure 3.4.2.5.1-1 Reporting installation range & appropriation ID screen.

1. Type: ***** (for Low Reporting Installation ID)
2. Type: ***** (for High Reporting Installation ID)
3. Type: 9 (for all appropriations)
4. Type: A (for all permanent and temporary facilities)
5. Press <ENTER> (to save parameter and to AMS/F4C Report Screen)

```
                    ARMY LEVEL
                FACILITY INFORMATION
                  FACILITY REPORTS
          F4C/AMS ORGANIZATIONAL SUMMARY REPORT

  SELECT ONE OF THE FOLLOWING TWO METHODS (A/B):
    A. ENTER LOW AMS OR ALL:
       ENTER HIGH AMS:
    B. ENTER LOW F4C OR ALL:
       ENTER HIGH F4C:
-------------------------------------------
SELECT REPORTS TO BE GENERATED :
      REPORTING INSTALLATION       :
      INSTALLATION                 :
      AREA                         :
      FACILITY (WITH SUBTOTAL)     :
      FACILITY (WITH TOTALS)       :
    ENTER LOW FACILITY ID OR ALL:
    ENTER HIGH FACILITY ID:

  RUN REPORT (Y/N)

          PF10=EXIT  ENTER=SAVE & CONTINUE
```

Figure 3.4.2.5.1-2 Facility reports screen.

Generate a report using F4C range from 0000000 to 9999999. No total facility and component report is generated.

6. Type: B (for method)
7. Press <ENTER>
8. Type: 0000000 (for Low F4C)
9. Type: 9999999 (for High F4C)
10. Press <ENTER>
11. Type: Y, Y, Y, Y, Y, ALL
12. Press <ENTER>
13. Type: Y (for run report)
14. Press <ENTER> (to generate report)

When report is finished, review and print report, the following message will appear at the bottom screen:

"REPORTS ARE READY, PRESS PF10 TO EXIT"

15. Press PF10 (to Reporting Installation Range & Appropriations)
16. Press PF10 (to Facility Report Selection Menu)
17. Tab over once (to select Review Report Selection Menu)
18. Press <ENTER>

You can review the F4C/AMS Organizational Summary Report on screen (see Section 2.4.5.1.4, page 2-42).

```
                    ARMY LEVEL
               FACILITY INFORMATION
                 REVIEW   REPORTS
           PRINT REPORTS SELECTION MENU


          REVIEW F4C/AMS REPORT - REPORTING INSTALLATION
          REVIEW F4C/AMS REPORT - INSTALLATION
          REVIEW F4C/AMS REPORT - AREA
          REVIEW F4C/AMS REPORT - FACILITY (SUBTOTALS)
          REVIEW F4C/AMS REPORT - FACILITY (TOTALS)


PF10=EXIT
```

Figure 3.4.2.5.1-3 Review report selection menu.

3.4.2.5.1.1 Review Report - Reporting Installation. (see Section 2.4.5.1.4.1, page 2-43) - Review F4C/AMS Organizational Summary Report by Reporting Installation ID on screen.

1. Press <ENTER> (to review under Reporting Installation)

```
FACILITY ID :              F4C DESC. :
REP. INST.  :       *****  NUMBER OF FACILITIES :          22
INSTALLATION :             TOTAL SQUARE FOOTAGE :       28120
AREA        :              TOTAL TEN YEARS COST :     4232510
     YEAR          1989        1990        1991        1992        1993

 RMF                120         120         120         120         120
 A.R.M           156388      156388      156388      156388      156388
 M.R.T           266547      264344      263178      284302      259807

 TOTALS          423057      420853      419687      440812      416317

-----------------------------------------------------------------------
     YEAR          1994        1995        1996        1997        1998

 RMF                120         120         120         120         120
 A.R.M.          156388      156388      156388      156388      156388
 M.R.T.          257605      290135      277563      253068      250865

 TOTALS          414114      446644      434073      409578      407375

   PF1=TOP PF2=BOTTOM  PF3=FIND  PF4=NEXT PF6=PREV  PF10=EXIT
```

Figure 3.4.2.5.1.1-1 Review report - reporting installation.

You can do a screen print by pressing <PrtSc> key on an IBM keyboard and <shift><PrtSc> on a Zenith keyboard.

2. Press PF10 (to Review Report Selection Menu)

```
                    ARMY LEVEL
              FACILITY INFORMATION
                REVIEW   REPORTS
          PRINT REPORTS SELECTION MENU


        | REVIEW F4C/AMS REPORT - REPORTING INSTALLATION
        | REVIEW F4C/AMS REPORT - INSTALLATION
        | REVIEW F4C/AMS REPORT - AREA
        | REVIEW F4C/AMS REPORT - FACILITY (SUBTOTALS)
        | REVIEW F4C/AMS REPORT - FACILITY (TOTALS)


PF10=EXIT
```

Figure 3.4.2.5.1.1-2 Review report selection menu.

3.4.2.5.1.2 Review Report - Installation. (see Section 2.4.5.1.4.2, page 2-44) - Review F4C/AMS Organizational Summary Report by Installation on screen.

1. Tab over once (to select Review Report - Installation)
2. Press <ENTER>

```
FACILITIY ID :              F4C DESC. :
REP. INST.   :      *****   NUMBER OF FACILITIES :          22
INSTALLATION :      01      TOTAL SQUARE FOOTAGE :       28120
AREA         :              TOTAL TEN YEARS COST :     4232510
     YEAR          1989        1990        1991        1992        1993

 RMF                120         120         120         120         120
 A.R.M            156388      156388      156388      156388      156388
 M.R.T            266547      264344      263178      284302      259807

 TOTALS           423057      420853      419687      440812      416317

-----------------------------------------------------------------------
     YEAR          1994        1995        1996        1997        1998

 RMF                120         120         120         120         120
 A.R.M.           156388      156388      156388      156388      156388
 M.R.T.           257605      290135      277563      253068      250865

 TOTALS           414114      446644      434073      409578      407375

   PF1=TOP PF2=BOTTOM  PF3=FIND  PF4=NEXT PF6=PREV  PF10=EXIT
```

Figure 3.4.2.5.1.2-1 Review report - installation.

3. Press PF10 (to Review Report Selection Menu)

```
                    ARMY LEVEL
                FACILITY INFORMATION
                  REVIEW   REPORTS
            PRINT REPORTS SELECTION MENU


          | REVIEW F4C/AMS REPORT - REPORTING INSTALLATION
          | REVIEW F4C/AMS REPORT - INSTALLATION
          | REVIEW F4C/AMS REPORT - AREA
          | REVIEW F4C/AMS REPORT - FACILITY (SUBTOTALS)
          | REVIEW F4C/AMS REPORT - FACILITY (TOTALS)


PF10=EXIT
```

Figure 3.4.2.5.1.2-2 Review report selection menu.

3.4.2.5.1.3 Review Report - Area. (see Section 2.4.5.1.4.3, page 2-45) - Review F4C/AMS Organizational Summary Report by Area on screen.

1. Tab over two times (to select Review Report - Area)
2. Press <ENTER>

```
FACILITIY ID :              F4C DESC. :
REP. INST.   :      *****   NUMBER OF FACILITIES :          22
INSTALLATION :      01      TOTAL SQUARE FOOTAGE :       28120
AREA         :        01   TOTAL TEN YEARS COST :     4232510
     YEAR          1989        1990        1991        1992        1993

 RMF                120         120         120         120         120
 A.R.M           156388      156388      156388      156388      156388
 M.R.T           266547      264344      263178      284302      259807

 TOTALS          423057      420853      419687      440812      416317

-----------------------------------------------------------------------
     YEAR          1994        1995        1996        1997        1998

 RMF                120         120         120         120         120
 A.R.M.          156388      156388      156388      156388      156388
 M.R.T.          257605      290135      277563      253068      250865

 TOTALS          414114      446644      434073      409578      407375

   PF1=TOP PF2=BOTTOM  PF3=FIND  PF4=NEXT PF6=PREV  PF10=EXIT
```

Figure 3.4.2.5.1.3-1 Review report - area.

(Note: You can do a screen print.)

3. Press PF10 (to Review Facility Reports Selection Menu)

```
                    ARMY LEVEL
               FACILITY INFORMATION
                 REVIEW   REPORTS
            PRINT REPORTS SELECTION MENU


        | REVIEW F4C/AMS REPORT - REPORTING INSTALLATION
        | REVIEW F4C/AMS REPORT - INSTALLATION
        | REVIEW F4C/AMS REPORT - AREA
        | REVIEW F4C/AMS REPORT - FACILITY (SUBTOTALS)
        | REVIEW F4C/AMS REPORT - FACILITY (TOTALS)


PF10=EXIT
```

Figure 3.4.2.5.1.3-2 Facility report selection menu.

4. Press PF10 (to Facility Report Selection Screen)

```
                    ARMY LEVEL
               FACILITY INFORMATION
                 FACILITY REPORTS

        | F4C/AMS ORGANIZATIONAL SUMMARY REPORT
        |     | REVIEW REPORTS
        |     | PRINT F4C/AMS REPORT MENU
        |     | GENERATE F4C/AMS REPORT ON DISK

        | 3 DIGIT F4C SUMMARY REPORT
        |     | REVIEW 3 DIGIT F4C REPORT
        |     | PRINT 3 DIGIT F4C REPORT
        |     | GENERATE 3 DIGIT F4C REPORT ON DISK

        | URR COMPARISON REPORT
        |     | REVIEW URR REPORT
        |     | PRINT URR REPORT
        |     | GENERATE URR REPORT ON DISK


PF10=EXIT
```

Figure 3.4.2.5.1.3-3 Facility report selection screen.

You can continue to review facility reports at facility level (refer to sections 3.3.2.5.1.4 and 3.3.2.5.1.5) or continue.

3.4.2.5.1.4 Print F4C/AMS Report. (see Sections 2.4.5.1.5, page 2-47) - Generate the F4C/AMS Organizational Summary Report by printing at your PC printer.) A printer copy of the report summarized by Reporting Installation, Installation, Area, and Facility can be printed, from Facility Report Selection Menu:

1. Tab over two times (to print F4C/AMS report menu)
2. Press <ENTER>

```
                    ARMY LEVEL
              FACILITY INFORMATION
                FACILITY REPORTS
           PRINT REPORTS SELECTION MENU


| PRINT F4C/AMS REPORT - REPORTING INSTALLATION
| PRINT F4C/AMS REPORT - INSTALLATION
| PRINT F4C/AMS REPORT - AREA
| PRINT F4C/AMS REPORT - FACILITY (SUBTOTAL)
| PRINT F4C/AMS REPORT - FACILITY (TOTALS)
```

Figure 3.4.2.5.1.4-1 Print report selection menu.

(Note: To stop printing, set your printer to offline, wait several minutes, then set it back to online.)

3. Press <ENTER> (to print F4C/AMS Report - Reporting Installation; wait for printer to finish)
4. Tab over once (to select Print F4C/AMS Report - Installation)
5. Press <ENTER> (to print at your PC printer; wait until printing is finished)
6. Tab over once (to select Print F4C/AMS Report - Area)
7. Press <ENTER> (to print at your PC printer; wait until printing is finished)
8. Tab over once (to select Print F4C/AMS Report - Facility [Subtotals])
9. Press <ENTER> (to print F4C/AMS Report - Facility [Subtotals])
10. Tab over once (to select Print F4C/AMS Report - Facility [Totals])
11. Press <ENTER> (to print F4C/AMS Report - Facility [Totals])
12. (Press PF10) (to Facility Report Selection Screen)

```
                    ARMY LEVEL
                FACILITY INFORMATION
                  FACILITY REPORTS

| F4C/AMS ORGANIZATIONAL SUMMARY REPORT
|   | REVIEW REPORTS
|   | PRINT F4C/AMS REPORT MENU
|   | GENERATE F4C/AMS REPORT ON DISK

| 3 DIGIT F4C SUMMARY REPORT
|   | REVIEW 3 DIGIT F4C REPORT
|   | PRINT 3 DIGIT F4C REPORT
|   | GENERATE 3 DIGIT F4C REPORT ON DISK

| URR COMPARISON REPORT
|   | REVIEW URR REPORT
|   | PRINT URR REPORT
|   | GENERATE URR REPORT ON DISK


PF10=EXIT
```

Figure 3.4.2.5.1.4-2 Facility reports selection screen.

3.4.2.5.2 3-Digit F4C Summary Report. (see Section 2.4.5.2, page 2-48)

Generate a total dollar report by summarizing the resources by the first three digits of the F4C code for Total Army. Print the report in dollars. Do for ALL facilities under Reporting Installation ID : *****, from Facility Report Selection Menu:

1. Tab over four times (to 3-Digit F4C Summary Report)
2. Press <ENTER>

```
                    ARMY LEVEL
          REPORTING INSTALLATION RANGE FOR
          3 DIGIT F4C RESOURCE INFORMATION


     PLEASE ENTER THE REPORTING INSTALLATION ID
         FOR THE 3 DIGIT F4C RESOURCE REPORT



    LOW REPORTING INSTALLATION ID (OR ALL)  :  (       )
    HIGH REPORTING INSTALLATION ID          :  (       )

    ENTER APPROPRIATION ID (1,2,3,4,5,6,7,8,9):(   )
    1=OMA 2=OMAR 3=AIF 4=RDTE 5=OPA 6=AFH 7=OTHER 8=NG
    9=ALL APPROP.IDS   A=NON-ACTIVE FAC. B=F4C/CY
    ENTER TYPE OF FACILITIES (A,B,C)          : (   )
    A=ALL  B=PERMANENT   C=TEMPORARY

PF10=EXIT ENTER=SAVE & CONTINUE
```

Figure 3.4.2.5.2-1 Reporting installation range & appropriation ID screen.

Generate three-digit F4C report for Total Army for all appropriations, permanent and temporary facilities by:

3. Type: ***** (for Low Reporting Installation ID)
4. Type: ***** (for High Reporting Installation ID)
5. Type: 9 (for all appropriations)
6. Type: A (for all permanent and temporary)
7. Press <ENTER> (to 3 Digit F4C Summary Report Screen)

```
                    ARMY LEVEL
                FACILITY INFORMATION
                  FACILITY REPORTS
        3 DIGIT F4C FACILITY SUMMARY REPORT

ENTER SUMMARY DOLLAR OPTION (A/B) : ( A )
  A. PRINT IN DOLLARS
  B. PRINT IN THOUSANDS DOLLARS

ENTER REPORT CONTENTS (1/2): ( 1 )
   1. 3 DIGIT F4C SUMMARY
   2. 3 DIGIT F4C SUMMARY PER SQUARE FOOT

ENTER LOW F4C NUMBER :  ( ALL     )
ENTER HIGH F4C NUMBER : (         )

ENTER FILENAME  :
FILE DESCRIPTION :

PF1=RUN  PF5=EDIT  PF9=SAVE EDIT   PF10=EXIT
```

Figure 3.4.2.5.2-2 3-digit F4C summary report.

8. Type: TOTALARMY (for the filename)
9. Type: THIS IS THE 3 DIGIT F4C REPORT FOR TOTAL ARMY
10. (Press PF1) (to generate the report using the default parameters shown on the screen)

When report is ready, the following message will appear at the bottom of screen,

"YOUR REPORT HAS BEEN PREPARED..PF10 TO RETURN TO PREVIOUS MENU"

Print the report on your PC printer by:

11. Press PF10 (to Facility Report Selection Screen)
12. Tab over six times (to select Print 3-Digit F4C Report)
13. Press <ENTER> (to print report)

```
FILENAME  :                    ARMY LEVEL
DISK FILENAME :
  | FILENAME | FILE DESCRIPTION                                  |
    TOTLARMY   THIS IS THE 3 DIGIT F4C REPORT FOR TOTAL ARMY

  ALL SCREENS : PF1=TOP PF4=NEXT PF8=DELETE PF10=EXIT ENTER=PRINT
TYPE FILENAME TO BE PRINTED OR VIEWED - THEN PRESS ENTER
```

Figure 3.4.2.5.2-3 3-digit F4C summary report - list of IDs.

You must enter the filename of the report to be printed. Since you only generated one type of 3-Digit F4c report, only one filename appears for the list of filenames. If you have generated more than one type of report, and different filenames have been entered, then there will be a longer listing of filenames that appear in figure 3.4.2.5.2-3.

To print the three-digit F4C report:

14. Type: TOTALARMY (to print the report stored under filename TOTALARMY)
15. Press <ENTER> (to print report)
16. Press PF10 (to Facility Report Selection Screen)

```
                    ARMY LEVEL
                FACILITY INFORMATION
                  FACILITY REPORTS

| F4C/AMS ORGANIZATIONAL SUMMARY REPORT
    | REVIEW REPORTS
    | PRINT F4C/AMS REPORT MENU
    | GENERATE F4C/AMS REPORT ON DISK

| 3 DIGIT F4C SUMMARY REPORT
    | REVIEW 3 DIGIT F4C REPORT
    | PRINT 3 DIGIT F4C REPORT
    | GENERATE 3 DIGIT F4C REPORT ON DISK

| URR COMPARISON REPORT
    | REVIEW URR REPORT
    | PRINT URR REPORT
    | GENERATE URR REPORT ON DISK

PF10=EXIT
```

Figure 3.4.2.5.2-4 Facility report selection menu.

3.4.2.5.3 URR Comparison Report. (see section 2.4.5.3, page 2-53)

From Facility Report Selection Screen:

1. Tab over eight times (to select URR Comparison Report)
2. Press <ENTER> (to URR Report Selection Menu)

```
                    ARMY LEVEL
              URR  COMPARISON  REPORT
                  SELECTION MENU

          |    EDIT URR PARAMETERS
          |    GENERATE URR COMPARISON REPORT

PF10=EXIT
```

Figure 3.4.2.5.3-1 URR report selection menu.

3. Tab key one time (to select Generate URR Comparison Report)
4. Press <ENTER> (to Generate URR Comparison Report - list of IDs)

```
                                ARMY LEVEL
R.INST.ID :             YOUR DATABASE INFORMATION
 R.INST.| REP. INSTALLATION NAME          | MAC | MTD |   TIME   |   DATE   |
 51315    LEE FORT                        TD    2     12.24.36   08/21/89
 ***EA    MIL DISTRICT OF WASHINGTON      EA    5     16.19.35   08/25/89
 *****    TOTAL ARMY                      **    5     17.28.33   08/28/89

ALL SCREENS : PF1=TOP PF4=NEXT-PAGE PF10=EXIT PF11=PRINT
URR SCREEN  : PF7=ADD  PF8=DELETE
```

Figure 3.4.2.5.3-2 URR report selection menu - list of IDs.

This is a listing of IDs accessible by the Total Army. To generate URR report for Total Army:

5. Type: ***** (for Total Army)
6. Press <ENTER> (to URR Report - Reporting Installation and Appropriations)

```
                    ARMY LEVEL
          REPORTING INSTALLATION RANGE FOR
           URR COMPARISON REPORT


      PLEASE ENTER THE REPORTING INSTALLATION ID
              FOR URR REPORT


  REPORTING INSTALLATION ID     : ( ***** )


  ENTER APPR. ID (1,2,3,4,5,6,7,8,9,A,B)   :   (   )
    1=OMA 2=OMAR 3=AIF 4=RDTE 5=OPA 6=AFH 7=OTHER 8=NG
    9=ALL APPROP.IDS   A=NON-ACTIVE FAC. B=F4C/CY
  ENTER TYPE OF FACILITIES   (A,B,C)        : (   )
    A=ALL  B=PERMANENT   C=TEMPORARY

PF10=EXIT ENTER=SAVE & CONTINUE
```

Figure 3.4.2.5.3-3 URR report - reporting installation & appropriations.

7. Type: 9 (for all appropriations)
8. Type: A (for permanent and temporary)
9. Press <ENTER> (to URR report screen)

```
                    ARMY LEVEL
                FACILITY INFORMATION
                   REPORT SCREEN
               URR COMPARISON REPORT
==============================================================

  Enter the low  AMS Code :   K0000
  Enter the high AMS Code :   K9999

  Enter the starting year :   1989
  Enter the number of years to report :  10

  Select only 1,2,3 or 4 :  4
    1.RMF        2.ARM
    3.MRT        4.TOTAL

  Enter the filename for the report   :

  Enter the  description for file  :

   PF1=RUN  PF5=EDIT  PF10=EXIT
```

Figure 3.4.2.5.3-4 URR report screen.

You have to enter the filename in which the report will be stored in the mainframe computer. Using different filenames allows different reports to be generated and saved for later functions, such as viewing

and printing during the learning session. These files will be erased when the user logs off the MRPM system. The description of file is optional; it allows the user to give a text description on the information contained in the file.

10. Type: TOTALARMY (for Total Army)
11. Type: IT CONTAINS THE URR REPORT FOR TOTAL ARMY
12. Press PF1 (to generate URR report)

When the report is completed, this message appears:

"REPORT GENERATED. GO BACK TO REPORT MENU TO PRINT. PF10=EXIT"

13. Press PF10 (to go back to URR Report - list of IDs)
14. Press PF10 (to go back to URR Report Selection Menu)
15. Press PF10 (to go back to Facility Report Selection Screen)

```
                    ARMY LEVEL
                FACILITY INFORMATION
                  FACILITY REPORTS

| F4C/AMS ORGANIZATIONAL SUMMARY REPORT
    | REVIEW REPORTS
    | PRINT F4C/AMS REPORT MENU
    | GENERATE F4C/AMS REPORT ON DISK

| 3 DIGIT F4C SUMMARY REPORT
    | REVIEW 3 DIGIT F4C REPORT
    | PRINT 3 DIGIT F4C REPORT
    | GENERATE 3 DIGIT F4C REPORT ON DISK

| URR COMPARISON REPORT
    | REVIEW URR REPORT
    | PRINT URR REPORT
    | GENERATE URR REPORT ON DISK


PF10=EXIT
```

Figure 3.4.2.5.3-5 Facility report selection menu.

Print the URR report generated by:

17. Tab over ten times (to select Print URR Report)
18. Press <ENTER> (to Print URR Report - List of files)

```
FILENAME  :                    ARMY LEVEL
DISK FILENAME :
  | FILENAME | FILE DESCRIPTION                                  |
    TOTLARMY   IT CONTAINS THE URR REPORT FOR TOTAL ARMY
```

Figure 3.4.2.5.3-6 Print URR report - list of files.

(Note: Make sure your printer is hooked to the computer)

19. Type: TOTALARMY (for the filename in which the URR report is stored)
20. Press <ENTER> (to print the URR report)

When the printing is finished,

21. Press PF10 (to Facility Report Selection Screen)
22. Press PF10 (to Facility Information Selection Menu)
23. Press PF10 (to MRPM Main Menu)
24. Press PF10 (to Army User Priority Menu).

3.4.2.5.4 Army User Priority Level.

```
                                    ARMY LEVEL
UPDATING MODE              MAINTENANCE PREDICTION MODEL

                             ARMY USER PRIORITY MENU

          MRPM USER PRIORITY LEVELS :
              | TOTAL ARMY LEVEL
              | MACOM RANGE LEVEL
              | SPECIFIC MACOM LEVEL
              | REPORTING INSTALLATION RANGE LEVEL
              | REPORTING INSTALLATION LEVEL

          MISCELLANEOUS FUNCTIONS :
              | QUIT THE SYSTEM
              | REVIEW WHOLE ARMY DATABASE
              | REORGANIZE THE CURRENT MRPM DATABASE
```

Figure 3.4.2.5.4-1 Army user priority level menu.

You have completed the basic training. Either go back to any priority level to learn or log off.

3.4.3 Logging Off.

To log off from Army user priority menu:

1. Tab over five times (to select Quit the System)
2. Press <ENTER>

```
                    MAINTENANCE PREDICTION MODEL

                        USERS LOGIN MENU


        MRPM LOGIN     :   LEARN
        MRPM PASSWORD  :


        CURRENT USERS STATUS :   1
        1. UPDATE  2. READ ONLY

        DO YOU WANT TO GIVE UP YOU UPDATING RIGHT (Y/N)  :


PRESS PF10 TO EXIT SYSTEM
```

Figure 3.4.3-1 MRPM login screen.

3. Type: Y (so that other users can have update right)
4. Press <ENTER> (to MRPM CMS Main Menu)

```
*************************************************************
MRPM CMS MAIN MENU
-------------------------------------------------------------
SELECTIONS :

M - TO ENTER THE MRPM SYSTEM
D - QUERY DISK STORAGE
Q - QUIT THE MENU

-------------------------------------------------------------
TYPE M,D, OR Q PRESS <ENTER>
*************************************************************
```

Figure 3.4.3-2 MRPM CMS main menu.

From MRPM CMS main menu:

5. Type: Q (to quit menu)
6. Press <ENTER>

```
*****************************************************
TO LOG OFF TO YOUR PC :
TYPE PC <ENTER>

TO REENTER MRPM SYSTEM :
TYPE : MRPM
(PRESS ENTER KEY)

*****************************************************
R; T=8.61/10.78 18:34:16
```

Figure 3.4.3-3 Logoff procedure screen.

7. Type:PC
8. Press <ENTER> (to logoff to PC DOS environment)

Wait for DOS prompt, C:\SIMPC.

3.5 Deleting MRPM Database. (see Section 2.1.4, page 2-8)

Note that before you start learning how to delete, you must have the facility information of Reporting Installation: 51315, ***EA, and **** in your MRPM database. After you have completed the basic training, you will learn how to delete the facility information in the MRPM database. You can delete only the RSMY information of facilities or all the general information of facilities of any Reporting Installations. Delete functions free disk storage for other usage.

The delete function at Reporting Installation, Reporting Installation Range, MACOM, MACOM Range, and Army Levels are the same. In this section, the delete screens at the Army Level is presented only. You can refer to Section 2.1.4.1, 2.1.4.2, 2.1.4.3, 2.1.4.4, pages 2-8 to 2-16.

```
                                ARMY LEVEL
UPDATING MODE             MAINTENANCE PREDICTION MODEL

                            ARMY USER PRIORITY MENU

          MRPM USER PRIORITY LEVELS :
               | TOTAL ARMY LEVEL
               | MACOM RANGE LEVEL
               | SPECIFIC MACOM LEVEL
               | REPORTING INSTALLATION RANGE LEVEL
               | REPORTING INSTALLATION LEVEL

          MISCELLANEOUS FUNCTIONS :
               | QUIT THE SYSTEM
               | REVIEW WHOLE ARMY DATABASE
               | REORGANIZE THE CURRENT MRPM DATABASE
```

Figure 3.5-1 User priority screen.

Review what you have in your current MRPM database first:

1. Tab over six times (to select Review Whole Army Database)
2. Press <ENTER>

Your database should look like the following screen:

```
                          ARMY LEVEL
                   YOUR DATABASE INFORMATION

R.INST.| REP. INSTALLATION NAME          | MAC | MTD |  TIME   |  DATE  |
51315    LEE FORT                         TD    2    12.24.36  08/21/89
***EA    MIL DISTRICT OF WASHINGTON       EA    5    16.19.35  08/25/89
*****    TOTAL ARMY                       **    5    17.28.33  08/28/89

  PF1=TOP  PF4=NEXT  PF10=EXIT PF11=PRINT
```

Figure 3.5-2 Your current database.

3. Press PF10 (to User Priority Screen).

Using the MRPM system as a Total Army user:

4. Press <ENTER> (to select TOTAL ARMY LEVEL).

```
UPDATING MODE                ARMY LEVEL
                       DATABASE STORAGE SELECTION :

   1.DELETE THE REPORTING INSTALLATION OF WHOLE ARMY
   2.DELETE ALL MACOM RANGE SPECIFIED IN NEXT SCREEN
   3.DELETE A RANGE OF REPORTING INSTALLATION IN A SPECIFIC MACOM
   4.CONTINUE TO MRPM MAIN MENU

PLEASE ENTER 1, 2, 3, OR 4   ---> (   )

 III. CRITERIA :
   A. DELETE ALL THE FACILITIES INFORMATION
   B. DELETE ONLY THE RESOURCE SUMMARY FILES

PLEASE ENTER A OR B ---> (   )


PF1=REVIEW CURRENT DATABASE    PF10=EXIT

--------------------MESSAGES-----------------------------------
```

Figure 3.5-3 Database storage selection - Army level.

3.5.1 Delete the RSMY files of an Individual Reporting Installation. (see Section 2.1.4.4, page 2-16) - Delete only the Y files of Fort Lee, VA (ID: 51315).

1 Type: 3 (to select Delete A Range of Reporting Installation in a specific MACOM)
2. Press <ENTER>

```
                    ARMY LEVEL
          REPORTING INSTALLATION RANGE FOR
              DELETION OF DATABASE


     PLEASE ENTER THE REPORTING INSTALLATION ID
           DELETION OF DATABASE


    LOW REPORTING INSTALLATION ID ( OR ALL ) : (       )
    HIGH REPORTING INSTALLATION ID         :   (       )



PF10=EXIT
```

Figure 3.5.1-1 Range of reporting installation to be deleted.

3. Type: 51315 (for Low Reporting Installation ID)
4. Type: 51315 (for High Reporting Installation ID)
5. Press <ENTER>

```
UPDATING MODE                ARMY LEVEL
                       DATABASE STORAGE SELECTION :

   1.DELETE THE REPORTING INSTALLATION OF WHOLE ARMY
   2.DELETE ALL MACOM RANGE SPECIFIED IN NEXT SCREEN
   3.DELETE A RANGE OF REPORTING INSTALLATION IN A SPECIFIC MACOM
   4.CONTINUE TO MRPM MAIN MENU

PLEASE ENTER 1, 2, 3, OR 4   --->  ( 3 )


 III. CRITERIA :
   A. DELETE ALL THE FACILITIES INFORMATION
   B. DELETE ONLY THE RESOURCE SUMMARY FILES

PLEASE ENTER A OR B --->  (   )


PF1=REVIEW CURRENT DATABASE    PF10=EXIT

-------------------MESSAGES----------------------------------
```

Figure 3.5.1-2 Database storage selection menu.

6. Type: B (for delete only the RSMY files)
7. Press <ENTER> (to delete).

When the deleting is finished. The following message will appear,

"DELETE FINISHED. PLEASE MAKE YOUR NEXT SELECTION."

3.5.2 Delete All Facility Information of a MACOM . Delete all the facility information of the MACOM MIL DISTRICT OF WASHINGTON (***EA).

From Database Storage Option Screen:

1. Type: 2 (to select Deleting All MACOM Range Specified In Next Screen)
2. Press <ENTER>

```
                    ARMY LEVEL
                RANGE OF MACOM IDS
               DELETION OF DATABASE


          PLEASE ENTER THE RANGE OF MACOM ID
               DELETION OF DATABASE


        ENTER THE LOW MACOM ID ( OR  ALL )      :  (     )
        ENTER HIGH MACOM ID                     :  (     )



    PF10=EXIT
```

Figure 3.5.2-1 Range of MACOM to be deleted.

3. Type: EA (for Low MACOM ID)
4. Tab over one time (to high MACOM ID)
5. Type: EA (for High MACOM ID)
6. Press <ENTER> (to use the ID entered)
7. Type: A (to select delete the general information of all facilities)
8. Press <ENTER> (to delete)

When delete is finished, the following message will appear,

"DELETE FINISHED, PLEASE MAKE YOUR NEXT SELECTION"

You can either type "4" to continue to MRPM main menu, or continue to delete database, or continue to review your current database.

```
UPDATING MODE                ARMY LEVEL
                      DATABASE STORAGE SELECTION :

   1.DELETE THE REPORTING INSTALLATION OF WHOLE ARMY
   2.DELETE ALL MACOM RANGE SPECIFIED IN NEXT SCREEN
   3.DELETE A RANGE OF REPORTING INSTALLATION IN A SPECIFIC MACOM
   4.CONTINUE TO MRPM MAIN MENU

PLEASE ENTER 1, 2, 3, OR 4    ---> (   )

 III. CRITERIA :
   A. DELETE ALL THE FACILITIES INFORMATION
   B. DELETE ONLY THE RESOURCE SUMMARY FILES

PLEASE ENTER A OR B ---> (   )


PF1=REVIEW CURRENT DATABASE    PF10=EXIT

--------------------MESSAGES----------------------------------
DELETE FINISH, PLEASE MAKE YOUR NEXT SELECTION
```

Figure 3.5.2-2 Database storage selection menu.

To review the current MRPM database:

9. (Press PF1) (to review database)

```
                          ARMY LEVEL
                    YOUR DATABASE INFORMATION

R.INST.| REP. INSTALLATION NAME        | MAC | MTD |  TIME    |  DATE    |
51315    LEE FORT                        TD    2
*****    TOTAL ARMY                      **    5    17.28.33   08/28/89




PF1=TOP  PF4=NEXT  PF10=EXIT PF11=PRINT
```

Figure 3.5.2-3 Your current database.

10. Press PF10 (to Data Storage Selection Menu).

3.5.3 Delete All the Facility Information of Total Army From Database Storage Selection Menu.

From the Database Storage Selection Menu:

1. Type: 1 (to select Delete The Reporting Installation of Whole Army)
2. Type: A (to select Delete Only The Resource Summary Files)
3. Press <ENTER> (to delete according the selection)

When deletion is finished, you can either type "4" to continue to MRPM Main Menu or quit the screen. After this deletion the MRPM database is empty. Check the current database by:

4. Press PF1 (to Review Current Database)

The following message will appear, " NO DATA EXISTS. YOU MUST MODEL OR CALCULATE FIRST."

Now continue the basic training for Basic Information.

5. Type: 4 (to select continue to next screen)
6. Press <ENTER> (to MRPM Banner)
7. Press <ENTER> (to MRPM Main Menu).

3.6 Basic Information Selection Menu. (see Section 2.3, page 2-20)

You can learn the basic functions used to support the facility information functions within this section. For all user priority levels, screens are identical for Maintenance Resource Prediction Model Main Menu.

```
TOTAL ARMY                    ARMY LEVEL
UPDATING MODE          MAINTENANCE PREDICTION MODEL

                                MAIN MENU

                        |   BASIC INFORMATION
                        |   FACILITY INFORMATION
                        |   MRPM BATCH PROCESSING MODE
                        |   REVIEW CURRENT DATABASE

PF10=EXIT
```

Figure 3.6-1 MRPM main menu.

Proceed to Basic Information Selection Menu from MRPM Main Menu:

1. Press <ENTER> (to Basic Information Selection Menu)

```
TOTAL ARMY                    ARMY LEVEL
UPDATING MODE               BASIC  INFORMATION
                               SELECTION MENU


                        |  GENERAL INFORMATION




PF10=EXIT
```

Figure 3.6-2 Basic information selection menu.

Proceed to general information:

2. Press <ENTER> (for General Information).

3.6.1 General Information. (see Section 2.3.1, page 2-21)

There are six tables available in this screen: (1) Organizational Chart, (2) AMS-RMF Factors, (3) F4C Conversion Codes, (4) Report Periods, (5) Unit Cost By Age - F4C Range, and (6) Armywide Trade Cost Table.

```
                    ARMY LEVEL
                GENERAL INFORMATION
                   SELECTION MENU

          ORGANIZATION CHART
          AMS-RMF FACTORS
          F4C CONVERSION CODES
          REPORT PERIODS
          UNIT COST BY AGE - F4C RANGE
          ARMYWIDE TRADE COST TABLE

      ENTER PF10 TO RETURN TO PREVIOUS MENU
```

Figure 3.6.1-1 General information selection menu.

3.6.1.1 Organizational Chart. (see 2.3.1.1, page 2-21) - This is basically an unchanging table. You are allowed to view the data by using function keys PF1, PF2, PF3, PF4, PF6, PF11 and PF12.

1. Press <ENTER> (to Organization Chart Screen)

```
                    ARMY LEVEL
                 BASIC  INFORMATION
                 ORGANIZATION CHART

INSTALLATION                          MACOM
ID      NAME                          ID  NAME

BE173                                 MA
BE215                                 MA
BE217                                 MA
BE225                                 MA
BE381                                 MA
BE724                                 MA
BE828                                 MA
BZ003                                 MA
BZ013                                 MA
BZ023                                 MA
BZ028                                 MA

  PF1=TOP    PF2=BOT    PF3=FIND    PF4=NEXT        PF6=PREVIOUS
  PF10=EXIT  PF11=LIST  PF12=DISK
```

Figure 3.6.1.1-1 Organizational chart.

2. Press PF10 (to the General Information Selection Menu).

3.6.1.2 AMS-RMF Factors. (see Section 2.3.1.2, page 2-22) - This table would probably change when the Army calculates and publishes a new set of AMS/RMF factors for reporting installations. Review the table to see what data is available:

1. Tab over once (to select AMS-RMF factors)
2. Press <ENTER>

```
                    ARMY LEVEL
                  BASIC  INFORMATION
                     AMS  RANGE



        LOW AMS  :  K2600          HIGH AMS  :   K2600





PF1=TOP  PF2=BOT  PF3=FIND  PF4=NEXT  PF5=NEXTPAGE PF6=PREV  PF7=ADD
PF8=DEL   PF10=EXIT  PF11=LIST   PF12=DISK
```

Figure 3.6.1.2-1 AMS-RMF factors - AMS range.

For each low and high AMS, there is an associated listing of reporting installation IDs. Each reporting installation ID is associated with a RMF factor. Proceed to screen 2 to view this listing:

3. Press PF5 (to next page).

```
                          ARMY LEVEL
                        BASIC  INFORMATION
                          AMS AND RMF

 LOW AMS  :  K2600          HIGH AMS  :   K2600

REPORTING INST ID   RMF FACTOR
*****                    1.0000
***AA                    1.1000
***EA                    1.3000
***HA                    1.5000
***TD                    1.4000
***UA                    1.6000
01252                    1.7000
04005                    1.8000
11605                    1.9000
13RPI                    2.0000
17RPI                    2.1000
21405                    2.2000
24625                    2.3000

   PF1=TOP  PF2=BOT  PF3=FIND  PF4=NEXT  PF5=EDIT  PF6=PREV  PF7=ADD
   PF8=DEL  PF9=SAVE PF10=EXIT
```

Figure 3.6.1.2-2 AMS-RMF factor - reporting installation listing.

Try pressing PF4, PF4, PF1, PF2, PF6 and study how the function keys work.

3.6.1.2.1 Finding a Reporting Installation and Its RMF.

To search for the information within the AMS range specified on the top of the screen:

1. Press PF3 (to get into finding mode)
2. Type: 51315 (for Fort Lee, VA, of TRADOC)
3. Press PF9 (to find)

```
                    ARMY LEVEL
                 BASIC  INFORMATION
                    AMS AND RMF

 LOW AMS  :  K2600          HIGH AMS  :   K2600

REPORTING INST ID   RMF FACTOR
51315                    2.7000



   PF1=TOP  PF2=BOT  PF3=FIND  PF4=NEXT  PF5=EDIT  PF6=PREV  PF7=ADD
   PF8=DEL  PF9=SAVE PF10=EXIT
```

Figure 3.6.1.2.1-1 RMF - find screen.

3.6.1.2.2 Adding a Reporting Installation and Its RMF. Adding a fictitious reporting installation ID = TEST 1 with RMF = 99.99.

1. Press PF7 (to get into adding mode)
2. Type: TEST1
3. Type: 99.99
4. Press PF9 (to Add).

```
                    ARMY LEVEL
                 BASIC  INFORMATION
                    AMS AND RMF

 LOW AMS  :  K2600          HIGH AMS  :   K2600

REPORTING INST ID   RMF FACTOR
*****                  1.0000
***AA                  1.1000
***EA                  1.3000
***HA                  1.5000
***TD                  1.4000
***UA                  1.6000
TEST1                 99.9900
01252                  1.7000
04005                  1.8000
11605                  1.9000
13RPI                  2.0000
17RPI                  2.1000
21405                  2.2000
```

Figure 3.6.1.2.2-1 AMS-RMF screen.

Note that TEST1 is inserted in the table.

3.6.1.2.3 Editing a Reporting Installation RMF Factor.

To edit the value of TEST1 from 99.99 to 77.77:

1. Press PF5 (to get into editing mode)
2. Tab over six times (to TEST1)
3. Type: 77.770000 (for TEST1)
4. Press PF9 (to save the editing value).

```
                          ARMY LEVEL
                        BASIC  INFORMATION
                          AMS AND RMF

 LOW AMS  :  K2600          HIGH AMS  :   K2600

REPORTING INST ID   RMF FACTOR
*****                    1.0000
***AA                    1.1000
***EA                    1.3000
***HA                    1.5000
***TD                    1.4000
***UA                    1.6000
TEST1                   77.7700
01252                    1.7000
04005                    1.8000
11605                    1.9000
13RPI                    2.0000
17RPI                    2.1000
21405                    2.2000

   PF1=TOP  PF2=BOT  PF3=FIND  PF4=NEXT  PF5=EDIT  PF6=PREV  PF7=ADD
   PF8=DEL  PF9=SAVE PF10=EXIT
CHANGES HAVE BEEN MADE
```

Figure 3.6.1.2.3-1 AMS-RMF screen - values saved.

3.6.1.2.4 Deleting ID and RMF Record. To delete the fictitious record you have added in 3.6.1.2.2:

1. Press PF8 (to get into deleting mode)
2. TAB over six times (until TEST1)
3. Press PF9 (to Delete TEST1; note that TEST1 is deleted from the table)
4. Press PF10 (to General Information Selection Screen).

3.6.1.3 F4C Conversion Code. (see Section 2.3.1.3, page 2-23)

From the General Information Selection Menu:

1. Tab over twice (to select F4C Conversion Code)
2. Press <ENTER>

This table would change very little and would require no updating of individual records. Updating would be provided as a completely new file. For this basic training, you are not changing any value.

```
                    ARMY LEVEL
                  BASIC  INFORMATION
F4C CODE RANGE GROUP AND APPROPRIATION CODE EDITOR

                    AMS            F4C          COMPONENT
  F4C      F4C    CONVERSION     PREDICTION     PREDICTION
  CODE    GROUP      CODE           CODE           GROUP
1110000            K5210
1111000            K5210
1111100            K5220
1112000            K5210
1112100            K5220
1113000            K5210
1113100            K5220
1114000            K5210
1114100            K5220
1121000            K5210
1121100            K5220
1122000            K5210
1131000            K5210

PF1=TOP  PF2=BOT  PF3=FIND  PF4=NEXT  PF5=EDIT  PF6=PREV . PF7=ADD
PF8=DEL  PF9=SAVE PF10=EXIT PF11=LIST PF12=DISK
```

Figure 3.6.1.3-1 F4C conversion code table.

3. Press PF10 (to General Information Selection Menu).

3.6.1.4 Report Period. (see Section 2.3.1.4, page 2-24)

The report dates in this table would be changed once a year. For practice only, this table and set the beginning report period year to 1990, and the ending report period year to 1999.

Note: If you have deleted the database as stated in Section 3.5, then you can skip this section. You must have the Reporting Installation in the current database, i.e., through modelling from general information selection menu:

1. Tab over three times (to select Report Periods)
2. Press <ENTER>.

```
                    ARMY LEVEL
          INSTALLATION TABLE-REPORT YEAR

R.INST.| REP. INSTALLATION NAME          | MAC | BEGYR | ENDYR |
*****    TOTAL ARMY                       **    1989    1998
***EA    MIL DISTRICT OF WASHINGTON       EA    1989    1998

PF1=TOP PF2=LAST PF4=NEXT PF5=EDIT PF6=PREV PF9=SAVE PF10=EXIT
```

Figure 3.6.1.4-1 Reporting installation listing.

To change the report period of Total Army **** from 1988-1997 to 1990-1999:

1. Press PF5 (to Edit mode)
2. Type: 1990 (for Begin Report Year)
3. Type: 1999 (for End Report Year)
4. Press PF9 (to save)

```
                    ARMY LEVEL
          INSTALLATION TABLE-REPORT YEAR

R.INST.| REP. INSTALLATION NAME          | MAC | BEGYR | ENDYR |
*****    TOTAL ARMY                       **    1990    1999
***EA    MIL DISTRICT OF WASHINGTON       EA    1989    1998

PF1=TOP PF2=LAST PF4=NEXT PF5=EDIT PF6=PREV PF9=SAVE PF10=EXIT
CHANGES HAVE BEEN MADE
```

Figure 3.6.1.4-2 Report period.

5. Press PF10 (to General Information Selection Menu).

3.6.1.5 Unit Cost by Age - F4C Range. (see Section 2.3.1.5, page 2-25)

There are two tables available in this screen from General Information Selection Menu:

1. Tab over four times (to select Unit Cost by Age - F4C Range)
2. Press <ENTER>.

```
                    ARMY LEVEL

              BASIC INFORMATION
        EDIT UNIT COST - F4C RANGE


          |  F4C RANGE - UNIT COST ID
          |  UNIT COST BY AGE



      ENTER PF10 TO RETURN TO PREVIOUS MENU
```

Figure 3.6.1.5-1 Edit unit cost - F4C range selection menu.

3.6.1.5.1 F4C Range - Unit Cost ID. (see Section 2.3.1.5.1, page 2-25)

1. Press <ENTER> (to F4C Range - Unit Cost ID)

Review the data by using the function keys.

```
                              ARMY LEVEL

                           BASIC  INFORMATION
                      F4C RANGE - AVERAGE COST / SF ID
LOW F4C    HIGH F4C    TOTAL  USA:P  USA:T  GERMANY
-------------------------------------------------------------
1000000    6999999     11     12     13     14
7000000    9999999     21     22     23     24



     PF1=TOP  PF2=BOT  PF3=FIND  PF4=NEXT  PF5=EDIT  PF6=PREV  PF7=ADD
     PF8=DEL  PF9=SAVE PF10=EXIT  PF11=LIST PF12=DISK
```

Figure 3.6.1.5.1-1 F4C range - unit cost ID.

2. Press PF10 (to Edit Unit Cost - F4C Range screen).

Note: The F4C range here cannot overlap. This table seldom changes.

3.6.1.5.2 Unit Cost By Age. (see Section 2.3.1.5.2, page 2-26) - This table seldom changes until the Army recalculates the unit cost. So editing, adding, deleting have to be done with extreme caution. Review the data with PF1, PF2, PF3, PF4, PF6 from Edit Unit Cost - F4c Range :

1. Tab over once (to select Unit Cost By Age)
2. Press <ENTER>

Use PF4, PF4, PF4, PF2, and PF1 to view the table.

```
                          ARMY LEVEL

                        BASIC  INFORMATION
                         UNIT COST FACTOR
ID CODE :  11               A.R.M. COST       :      1.10
NUMBER OF YEARS   :  80     UNIT COST ADJUST. :      1.10

                   YEAR     M.R.T. COST FACTOR
                    1         1.10
                    2         2.10
                    3         3.10
                    4         4.10
                    5         5.10
                    6         1.10
                    7         2.10
                    8         3.10
                    9         4.10
                   10         5.10
                   11         1.10

    PF1=TOP  PF2=BOT  PF3=FIND  PF4=NEXT  PF5=EDIT  PF6=PREV  PF7=ADD
    PF8=DEL  PF9=SAVE PF10=EXIT PF11=LIST PF12=DISK
```

Figure 3.6.1.5.2-1 Unit cost by age screen.

3. Press PF10 (to Edit Unit Cost - F4C Range screen)
4. Press PF10 (to General Information Selection Menu)

3.6.1.5.3 Army Trade Cost Table. (see Section 2.3.1.6, page 2-27) - This table contains a listing of three items associated with each Reporting Installation ID from Facility Resource Data Selection Menu:

1. Tab over five times (to select Army Trade Cost Table)
2. Press <ENTER>.

ARMY LEVEL
BASIC INFORMATION
ARMY TRADE COSTS TABLE

REPORT INST ID	INSTALLATION NAME	MAT. LOC. ADJ.	CARP. SHOP EFF.	CARP MAINT. RATE
*****	ARMY LEVEL	1.08	1.50	2.50
***AA	GEORGIO AND OTHER	1.10	1.20	1.30
***EA	MIL DIST OF WASH.	1.04	1.40	2.50
***HA	NATIONAL SECURITY AGENCY	1.23	1.50	2.50
***TD	TRNING & DOCTRINE COMMAND	2.33	2.33	2.33
***UA	INFORMATION SYSTEMS COMMAND	2.10	2.20	2.30
01252	RUCKER FORT	1.10	1.20	1.10
04005	HUACHUCA FORT	3.30	3.20	3.40
11605	MCNAIR FORT LSESLEY J	1.10	2.20	2.20
13RPI	GEORGIA AND OTHERS	3.30	2.30	4.30
17RPI	ILLINOIS AND OTHERS	2.20	2.10	1.50
21405	KNOX FORT	1.10	1.10	2.10
24625	RITCHIE FORT	2.20	1.10	1.20

PF1=TOP PF2=BOT PF3=FIND PF4=NEXT PF5=EDIT PF6=PREV PF7=ADD
PF8=DEL PF9=SAVE PF10=EXIT PF11=LIST PF12=DISK

Figure 3.6.1.5.3-1 Army trade cost table.

Try PF4, PF4, PF2, PF6, PF1 in sequence to study how the function keys work. For practice, add a reporting installation with ID: ABCDE.

3.6.1.5.3.1 Adding a Fictitious Reporting Installation.

1. Press PF7 (to get into adding mode)
2. Type: ABCDE (for Report Installation ID)
3. Type: TESTING ONLY (for Installation name)
4. Tab over once (to MAT.LOC.ADJ.)
5. Type: 12.34 (for MAT.LOC.ADJ.)
6. Type: 12.34 (for CARP.SHOP.EFF.)
7. Type: 12.34 (for CARP.MAINT.RATE)
8. Press PF9 (to Add).

ARMY LEVEL
BASIC INFORMATION
ARMY TRADE COSTS TABLE

REPORT INST ID	INSTALLATION NAME	MAT. LOC. ADJ.	CARP. SHOP EFF.	CARP MAINT. RATE
*****	ARMY LEVEL	1.08	1.50	2.50
***AA	GEORGIO AND OTHER	1.10	1.20	1.30
***EA	MIL DIST OF WASH.	1.04	1.40	2.50
***HA	NATIONAL SECURITY AGENCY	1.23	1.50	2.50
***TD	TRNING & DOCTRINE COMMAND	2.33	2.33	2.33
***UA	INFORMATION SYSTEMS COMMAND	2.10	2.20	2.30
ABCDE	TESTING ONLY	12.34	12.34	12.34
01252	RUCKER FORT	1.10	1.20	1.10
04005	HUACHUCA FORT	3.30	3.20	3.40
11605	MCNAIR FORT LSESLEY J	1.10	2.20	2.20
13RPI	GEORGIA AND OTHERS	3.30	2.30	4.30
17RPI	ILLINOIS AND OTHERS	2.20	2.10	1.50
21405	KNOX FORT	1.10	1.10	2.10

PF1=TOP PF2=BOT PF3=FIND PF4=NEXT PF5=EDIT PF6=PREV PF7=ADD
PF8=DEL PF9=SAVE PF10=EXIT PF11=LIST PF12=DISK
SUCCESSFUL ADD FOR F4C CODE

Figure 3.6.1.5.3.1-1 Army trade cost table - after add.

3.6.1.5.3.2 Editing Values. Edit the fictitious reporting installation you have added:

1. Press PF5 (to get into Editing mode)
2. Tab over 18 times (to the row corresponding to ABCDE)
3. Type: 11.11 (for MAT.LOC.ADJ.)
4. Type: 11.11 (for CARP.SHOP.EFF)
5. Type: 11.11 (for CARP.MAINT.RATE)
6. Press PF9 (to save).

```
                          ARMY LEVEL
                        BASIC  INFORMATION
                      ARMY TRADE COSTS TABLE

REPORT      INSTALLATION                      MAT.    CARP.    CARP
INST ID     NAME                              LOC.    SHOP     MAINT.
                                              ADJ.    EFF.     RATE
*****       ARMY LEVEL                         1.08    1.50     2.50
***AA       GEORGIO AND OTHER                  1.10    1.20     1.30
***EA       MIL DIST OF WASH.                  1.04    1.40     2.50
***HA       NATIONAL SECURITY AGENCY           1.23    1.50     2.50
***TD       TRNING & DOCTRINE COMMAND          2.33    2.33     2.33
***UA       INFORMATION SYSTEMS COMMAND        2.10    2.20     2.30
ABCDE       TESTING ONLY                      11.11   11.11    11.11
01252       RUCKER FORT                        1.10    1.20     1.10
04005       HUACHUCA FORT                      3.30    3.20     3.40
11605       MCNAIR FORT LSESLEY J              1.10    2.20     2.20
13RPI       GEORGIA AND OTHERS                 3.30    2.30     4.30
17RPI       ILLINOIS AND OTHERS                2.20    2.10     1.50
21405       KNOX FORT                          1.10    1.10     2.10

    PF1=TOP  PF2=BOT  PF3=FIND  PF4=NEXT  PF5=EDIT  PF6=PREV  PF7=ADD
    PF8=DEL  PF9=SAVE PF10=EXIT PF11=LIST PF12=DISK
CHANGES HAVE BEEN MADE
```

Figure 3.6.1.5.3.2-1 Army trade cost table - after edit.

3.6.1.5.3.3 Delete.

Delete the fictitious reporting installation you have added.

1. Press PF8 (for deleting)
2. Tab over six times (to ABCDE)
3. Press PF9 (to delete; note that ABCDE disappears from the table)
4. Press PF10 (to Facility Resource Data Selection Menu)
5. Press PF10 (to Basic Information Selection Menu)
6. Press PF10 (to MRPM Main Menu)
7. Press PF10 (to User Priority Menu).

You can log off the system as described in sections in 3.2.2.5.4, 3.3.2.5.4, 3.4.2.5.4, or continue to learn the Basic Training.

4. PROCEDURES IN USING THE HQ-IFS ASSETS DATABASE.

The HQ-IFS Assets Database contains the real property information of the Department of the Army. The database is very large; therefore the computer resource used for processing this information is also large. By subdividing the information to be modelled, the processing time and crashes due to the error from the network can both be reduced.

The following sections present the procedures to efficiently model the facility information for the five different users of the army: 1) Reporting Installation Level, 2) Range of Reporting Installation Level, 3) MACOM Level, 4) Range of MACOMs Level, and 5) Total Army.

4.1 Reporting Installation Level.

The facility information for the Reporting Installation is small. The procedures presented in sections 3.2.2.1 (page 3-13) can be used efficiently to model the information. The facility information is stored under the Reporting Installation ID. The range of one to five Reporting Installations for Modelling is ideal.

The programs model the facility information for the eight appropriations in the Appendix. For nonactive facilities, use "A" for the appropriation.

When finish modelling, the database is reorganized automatically so that it can be processed efficiently to save computer calculation time. Please wait until the automatic reorganization is finished.

4.2 Range of Reporting Installation Level.

The facility information for the Range of Reporting Installation depends on the range of Reporting Installation specified by the user when entering the MRPM system (see section 2.1.3.2, page 2-7). The facility information is stored under each individual Reporting Installation ID. For Reporting Installation such as FORT LEONARD WOOD and FORT BRAGG, which has huge number of facilities, modelling each Reporting Installation separately is ideal.

The programs model the facility information for the eight appropriations shown in the Appendix. For nonactive facilities, use "Z" for the appropriation.

It is advised to model a range of smaller number of Reporting Installations. When finish modelling, the database is reorganized automatically so that it can be processed efficiently to save computer calculation time. Please wait until the automatic reorganization is finished.

4.3 MACOM Level .

The facility information for a MACOM can be modelled and stored under the MACOM ID, such as ***TD for Training and Doctrine MACOM, or under each individual Reporting Installation ID within the MACOM.

For facility information modelled under the MACOM ID: ***??, (?? represents the two character code for macom), model the facilities information appropriation by appropriation, instead of all appropriations at one time. For example, start modelling with the first appropriation: OMA facilities, and

then model the next appropriation, OMAR, and so on, until OMNG For nonactive facilities, use "Z" for the appropriation.

Examples of Procedure for Modelling a MACOM (modelling all permanent and temporary facilities within one MACOM):

Step 1 : Model Operations and Maintenance, Army (OMA)
Step 2 : Model Operations and Maintenance, Army Research (OMAR)
Step 3 : Model Army Industrial Fund (AIF)
Step 4 : Model Research, Development, Test, and Evaluation (RDTE)
Step 5 : Model Other Procurement, Army (OPA)
Step 6 : Model Army Family Housing (AFH)
Step 7 : Model Operations and Maintenance, National Guard (OMNG)
Step 8 : Model Other (OTHER)
Step 9 : Model nonactive facilities (Z)

The database is reorganized automatically so that it can be processed efficiently to save computer calculation time. Please wait until the automatic reorganization is finished.

4.4 MACOM Range Level .

The facility information for a range of MACOMs can be modelled and stored under each individual MACOM ID, such as ***TD for Training and Doctrine MACOM, or under each individual Reporting Installation ID within each individual MACOM.

For facility information modelled under the MACOM ID: ***?? (?? represents the two character code for MACOM), model the facility information appropriation by appropriation, instead of all appropriations at one time. For example, start modelling with the first appropriation: Operation and Maintenance - Army (OMA) facilities, and then model the next appropriation Operation and Maintenance - Army Research (OMAR), and so on, until Operation and Maintenance National Guard (OMNG). For nonactive facilities, use "Z" for the appropriation.

Examples of Procedure for Modelling a Range of MACOM (modelling all permanent and temporary facilities for a range of MACOMs):

Step 1 : Model Operations and Maintenance, Army (OMA)
Step 2 : Model Operations and Maintenance, Army Research (OMAR)
Step 3 : Model Army Industrial Fund (AIF)
Step 4 : Model Research, Development, Test, and Evaluation (RDTE)
Step 5 : Model Other Procurement, Army (OPA)
Step 6 : Model Army Family Housing (AFH)
Step 7 : Model Operations and Maintenance, National Guard (OMNG)
Step 8 : Model Other (OTHER)
Step 9 : Model nonactive facilities (Z)

The database is reorganized automatically so that it can be processed efficiently to save computer time. Please wait until the automatic reorganization is finished.

4.5 Total Army Level.

The facility information for the Total Army can be modelled and stored under the Total Army ID : *****, each individual MACOM ID, such as ***TD for Training and Doctrine MACOM, or under each individual Reporting Installation ID within each individual MACOM.

For facility information modelled under the Total Army and the MACOM ID: ***?? (?? represents the two character code for MACOM), model the facilities information appropriation by appropriation, instead of all appropriation at one time. For example, start modelling with the first appropriation: OMA facilities, and then model the next appropriation OMAR, and so on, until OMNG. For nonactive facilities, use "Z" for the appropriation. Examples of procedure is the same as that of MACOM range level (see section 4.4).

The database is reorganized automatically so that it can be processed efficiently to save computer calculation time. Please wait until the automatic reorganization is finished.

APPENDIX:

APPROPRIATION DESCRIPTIONS

Approp. Code	Appropriation Type	Facility Type	Facility ID
OMA	Operations and Maintenance, Army	Permanent	A
		Temporary	B
OMAR	Operations and Maintenance, Army Reserve	Permanent	C
		Temporary	D
AIF	Army Industrial Fund	Permanent	E
		Temporary	F
RDTE	Research, Development, Test, and Evaluation	Permanent	G
		Temporary	H
OPA	Other Procurement, Army	Permanent	I
		Temporary	J
AFH	Army Family Housing	Permanent	K
		Temporary	L
OMNG	Operations and Maintenance, National Guard	Permanent	M
		Temporary	N
NONACTIVE		ALL	Z
OTHER:		Permanent	O
		Temporary	P
MCA	Military Construction, Army		
MCAR	Military Construction, Army Reserve		
MPA	Military Personnel, Army		
NAF	Non-Appropriated Fund		
NGPA	National Guard Personnel, Army		
OMAF	Operations and Maintenance, Air Force		
OMN	Operations and Maintenance, Navy		
RPA	Real Property, Army		
zzzz	Temporary ID		

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